

Covered Bond & SSA View

NORD/LB Markets Strategy & Floor Research

Agenda

Market overview	
Covered Bonds	3
SSA/Public Issuers	6
Spread considerations – APAC covered bonds riding the wave of ECB purchase programmes?	10
Return of the Danish market for EUR benchmark bond issues	14
22nd meeting of the Stability Council (Dec. 2020)	18
ECB tracker	
Asset Purchase Programme (APP)	24
Pandemic Emergency Purchase Programme (PEPP)	29
Aggregated purchase activity under APP and PEPP	32
Charts & Figures	
Covered Bonds	33
SSA/Public Issuers	39
Overview of latest Covered Bond & SSA View editions	42
Publication overview	43
Contacts at NORD/LB	44

Floor analysts:

Dr Frederik Kunze

Covered Bonds

frederik.kunze@nordlb.de

Dr Norman Rudschuck, CIIA

SSA/Public Issuers

norman.rudschuck@nordlb.de

Henning Walten, CIIA

Covered Bonds

henning.walten@nordlb.de

NORD/LB:

[Markets Strategy & Floor Research](#)

NORD/LB:

[Covered Bond Research](#)

NORD/LB:

[SSA/Public Issuer Research](#)

Bloomberg:

[RESP NRDR <GO>](#)

Market overview

Covered Bonds

Authors: Henning Walten, CIA // Dr Frederik Kunze

Primary market enters “start of year” mode, numerous markets return

After we reported only two new issues in the EUR benchmark segment in our issue one week ago, which marked a comparatively quiet start to the year, the market has picked up considerably since then. Twelve new issues with a volume of EUR 9.0bn have since been rolled out, with a total of four issuers approaching their investors last Wednesday alone. Remarkably, no less than three issues were the product of a long issuance break by their respective countries. The Mediobanca deal was the first EUR benchmark to be issued from Italy in about a year (at that time Credit Agricole with a dual tranche). The same goes for the transaction by the Danish bank Jyske Realkredit; the last recorded EUR benchmark was in November 2019 (Danmarks Skibskredit). The leader, however, in terms of ending an extended absence, remains the Czech Republic. The EUR benchmark debut of [Komerční Banka](#) also marks a revival of the market for EUR benchmarks which has been dormant since October 2014. The Czech Republic therefore takes the number of EUR benchmark jurisdictions to 28. UniCredit Bank rounded off last Wednesday's issuance activity with a 15y bond, followed by Münchener Hypothekbank and DNB Boligkredit, which each completed a transaction on the two remaining trading days of last week. Following the first green covered bond placed by DNB in June 2018, the second EUR benchmark in ESG format followed recently. At the start of the current trading week, BPCE placed a dual tranche for 8y and 15y, each with a volume of EUR 1.0bn, followed by another trading day featuring four new issues on Tuesday. In addition to Berlin Hyp (EUR 500m; 10y) and Bank of Canada (EUR 1.25bn; 10y), Norwegian Sparebanken Sør Boligkredit also approached its investors and issued a EUR benchmark for the first time since October 2019. As with Komerční Bank, the Korean [Hana Bank](#) was also making its debut. Now the third institution from South Korea in the EUR benchmark market, it placed its first bond issue in the amount of EUR 500m with a term to maturity of five years.

Issuer	Country	Timing	ISIN	Maturity	Volume	Spread	Rating
Hana Bank	KR	19.01.	XS2282707178	5.0y	0.50bn	ms +27bp	- / Aaa / AAA
Sparebanken Sør	NO	19.01.	XS2291901994	7.0y	0.50bn	ms +7bp	- / Aaa / -
Royal Bank of Canada	CA	19.01.	XS2291788656	10.0y	1.25bn	ms +9bp	AAA / Aaa / -
Berlin Hyp	DE	19.01.	DE000BHY0C47	10.0y	0.50bn	ms flat	- / Aaa / -
BPCE	FR	18.01.	FR0014001MN0	15.0y	1.00bn	ms +5bp	- / Aaa / AAA
BPCE	FR	18.01.	FR0014001MO8	8.0y	1.00bn	ms +2bp	- / Aaa / AAA
MunHyp	DE	15.01.	DE000MHB27J7	18.8y	0.50bn	ms +1bp	- / Aaa / -
DNB Boligkredit	NO	14.01.	XS2289593670	10.0y	1.50bn	ms +6bp	- / Aaa / AAA
Komerční Banka	CZ	13.01.	XS2289128162	5.0y	0.50bn	ms +12bp	AAA / - / -
Mediobanca	IT	13.01.	IT0005433757	10.0y	0.75bn	ms +13bp	AA- / - / -
Jyske Realkredit	DK	13.01.	DK0009404618	6.7y	0.50bn	ms +6bp	- / - / AAA
UniCredit Bank	DE	13.01.	DE000HV2AX54	15.0y	0.50bn	ms +3bp	- / Aaa / -

Source: Bloomberg, NORD/LB Markets Strategy & Floor Research (Rating: Fitch / Moody's / S&P)

Start to the year also for USD benchmarks and EUR sub-benchmarks

In addition to the EUR benchmark market, which has started already, two other covered bond sub-markets also kicked off the new year. Deutsche Pfandbriefbank placed a USD 750m benchmark with a term to maturity of three years last Wednesday. The deal, which achieved a final order book of USD 1.0bn, came in three basis points tighter at ms +23bp compared with the guidance. This is the first issuer to enter the market with a USD benchmark in 2021, a segment that saw a total of seven issues in 2020 with a total volume of USD 7.9bn. At the beginning of the current trading week, Landesbank Berlin opened the market for EUR-denominated sub-benchmark bonds (EUR 250 ≤ X < EUR 500m). The bond with a volume of EUR 250m and a term to maturity of ten years initially entered the marketing phase at ms +1bp area and was also brought to market at this level. The issue yield amounted to -0.215%. Like the USD benchmark segment, this is a niche market in which eight bonds totalling EUR 2.05bn were placed last year.

ECB meeting this Thursday: Unspectacular?

The ECB's first regular meeting of 2021 is scheduled for tomorrow. We describe the monetary policy situation for the upcoming interest rate decision in more detail in the [Market Overview SSA/Public Issuers](#) and certainly see less expectancy as regards new adjustments at the present moment. Nevertheless, the influence of monetary policy on the EUR benchmark segment remains unabated and is evident on both the supply and demand side. In this context, TLTRO III tenders are dampening issuance activity – albeit perhaps less than in the past – while the Eurosystem remains active in both the primary and secondary markets. Lower demand on the market side, which could be triggered by tiering adjustments (in particular a factor increase would be conceivable), would not be particularly significant here in our estimation. It is interesting to note in this context the Bundesbank Monthly Report from January 2021. When analysing the impact of tiering on banks and financial markets, the Bundesbank puts the interest expense saved by EMU banks through tiering at no less than EUR 4.7bn (period: October 2019 to December 2020; total interest expense on excess liquidity: EUR 8.39bn). The authors conclude that the ECB Governing Council has achieved the objectives pursued with the introduction of tiering via interest rate savings for banks.

Spain I: Moody's examines potential extension of eviction restrictions

As the coronavirus crisis escalated in the first quarter of 2020, some governments introduced regulations and legislation to protect borrowers who had suffered financial difficulties through no fault of their own. In Spain, these measures included the [Royal Decree-Law 11/2020](#), which was designed to protect tenants in the wake of the COVID-19 crisis. In light of the current pandemic situation, this measure has now been extended until May 2021. For Moody's risk experts, the extension of eviction restrictions is disadvantageous in terms of asset quality and investment incentives. The negative implications would also apply to covered bonds – for example, through higher refinancing risks. We share Moody's assessment in principle, but, based on current information, would not overestimate the long-term strain on Spanish covered bonds as the eviction restrictions are only for a limited period of time.

Spain II: Liberbank covered bonds set for possible rating upgrade by Moody's

The rating agency Moody's has indicated that an upgrade for the covered bond rating of Spain's Liberbank (currently: Aa2) could potentially be on the cards. This step follows the possible upgrade of the deposit rating of Liberbank and therefore an adjustment of the CR assessment, which is part of the derivation of the covered bond rating (see Moody's rating methodology in our [Issuer Guide Covered Bonds](#) from page 645). Both measures follow the takeover of Liberbank by Unicaja announced at the end of December, a deal that had already been under discussion for some time (see [Covered Bond & SSA View from 14 October](#)). Liberbank currently has one outstanding EUR benchmark (LBKSM 0 1/4 09/25/29). Since being placed in September 2019, the bond has been topped up by EUR 200m, taking the current volume to EUR 1.2bn. Unicaja also has a covered bond programme, but no outstanding bonds in the EUR benchmark segment.

Scope acknowledges trend in European property prices

In a recent sector report, Scope analysts have commented on the current and future developments and trends on the European property market. Accordingly, the corresponding growth rate is back on its long-term trend on the back of pandemic-related distortions. Scope links the observed house price trend to both the interest rate environment and the sharp increase in the savings ratio. In addition, the pandemic would have changed the preference structure of many households as regards the purchase of their own homes. In terms of the expected future development of property prices in Europe, analysts see more of an indirect long-term impact from the pandemic, meaning in particular economic development. In this respect, Scope highlights the development of the labour market and the unemployment rate. In addition, the pandemic could have a lasting effect on the banks, which would then lead to a corresponding dampening of lending activity. All these factors could well have a negative effect on property price development and lead to marked corrections, especially in markets that were already showing signs of overheating before the pandemic. At the same time, the risks of a continuation of relaxed macroeconomic and monetary policy should not be underestimated in terms of the formation of new bubbles. As a result, Scope expects higher risks of regional price corrections, especially if the pandemic situation lasts longer.

Market overview

SSA/Public Issuers

Author: Dr Norman Rudschuck, CIIA

ECB: Stock-take and preview

At its last Governing Council meeting, the ECB made numerous targeted adjustments. As expected, the PEPP was expanded both in terms of volume and duration. The programme volume has increased by EUR 500bn to EUR 1,850bn, while the duration has been extended it by nine months until March 2022. In addition, reinvestments will now be carried out until at least the end of 2023, twelve months longer than previously communicated. The same applies to the TLTRO III tenders, which were also re-adjusted to meet the current situation in terms of maturity and conditions. Conversely, the ECB left interest rates at the previous levels of 0.00% (main refinancing operations) and -0.50% (deposit facility). The regular APP was equally unaffected. Here, the monthly net purchases in the amount of EUR 20bn will remain until shortly before an increase in the key rates. The same applies to the redemptions accruing under the programme, which are to continue to be reinvested in the market even until after a rate hike. Furthermore, in addition to the most targeted instruments, other measures to combat the effects of the pandemic were adopted or expanded. These include four more rounds of PELTROs and an extension of the relaxed central bank collateral requirements until June 2022. An adjustment to the tiering factor, which we had also discussed in advance, did not happen. We still think such a step is conceivable in 2021, although this Thursday is likely to be uneventful in terms of decisions taken.

Moody's outlook: Laender

Moody's has published various outlooks for sub-sovereigns in 2021. For us, the most important report of course concerned the German Bundeslaender. Here, given the corona-induced decline in tax revenues and high countercyclical spending, they arrive at a fundamentally negative sector outlook, which is not (yet) reflected in the individual ratings. At Aaa, Baden-Wuerttemberg, Bavaria and Brandenburg remain unchanged. One notch lower at Aa1 are Berlin, North Rhine-Westphalia and Saxony-Anhalt. All six Bundeslaender have a stable outlook (as of 11 January). Moody's divides its rationale into five subject areas. The economic recovery will hardly bring tax revenues back to the level of 2019. Although economic growth will lead to an increase in Bundeslaender tax revenues in 2021, the trajectory will remain below the pre-pandemic trend. In addition, Laender spending will remain high in 2021. This will mainly be the case for the regional economy due to rising personnel costs and continued fiscal stimuli. Lower special transfers will partly offset the high levels of cost pressure. The federal government will also suspend the debt brake in 2021, allowing the Laender to take on additional debt. This borrowing requirement will remain high. The pressure on households caused by coronavirus will only gradually ease when the economy recovers. However, favourable market conditions will make it easier for the Laender to secure cheap financing and therefore refinance maturing debt.

Super election year

All the signs point towards 2021 being a “super election year”: After a new party leader of the CDU was digitally elected at the weekend and with Markus Söder from the CSU vying to run as the chancellor candidate in the parliamentary elections in September to replace Angela Merkel after 16 years, as many as six Laender elections now also await us. Elections in Rhineland-Palatinate and Baden-Wuerttemberg will take place in mid-March, with Saxony-Anhalt due at the polls on 6 June and Berlin and Mecklenburg-Western Pomerania set to cast their votes in the autumn. Likewise, federal elections will take place in the autumn too, whereas those in Thuringia have been postponed from April to September. A total of 25 million people are eligible to vote in these Laender elections. Although the east of the country goes to the polls more frequently, two other Bundeslaender have been dominating the headlines so far, with Tagesspiegel recently asking “Will Winfried Kretschmann be toppled? Will Malu Dreyer lose?” Both elections will inevitably be seen as a test run for the federal parliamentary elections on 26 September. Here are the facts: There will be no street campaigning and cheering crowds at rallies. Changes could also be made to the set-up of polling stations, with health authorities closely collaborating on the organisation of polling day at the very least. It is already clear that polling stations will have to be well ventilated. Whether more people will vote by mail due to the pandemic cannot be predicted at this point. However, the number of postal voters is increasing from election to election anyway. In the 2016 state election in Mecklenburg-Western Pomerania, for example, one in five people already cast their vote by postal ballot. The authorities there also expect numbers to rise this year. At the beginning of the year, for example, the Schwerin state parliament wants to facilitate a change to electoral law. The draft bill provides that under pandemic conditions – i.e. if there are still contact restrictions and a lockdown – a state election might also be possible purely as a postal vote without polling stations. Special regulations are also provided for the party lists.

Provisional dates for the next Laender parliamentary elections (and cycle)

Baden-Wuerttemberg	14 March 2021	5 years
Bavaria	Autumn 2023	5 years
Berlin	Autumn 2021 (alongside federal elections)	5 years
Brandenburg	Autumn 2024	5 years
Bremen	Spring 2023	4 years
Federal election	26 September 2021	4 years
Hamburg	Spring 2025	5 years
Hesse	Autumn 2023	5 years
Mecklenburg-Western Pomerania	Autumn 2021 (alongside federal elections)	5 years
Lower Saxony	Autumn 2022	5 years
North Rhine-Westphalia	Spring 2022	5 years
Rhineland-Palatinate	14 March 2021	5 years
Saarland	Spring 2022	5 years
Saxony	Autumn 2024	5 years
Saxony-Anhalt	06 June 2021	5 years
Schleswig-Holstein	Spring 2022	5 years
Thuringia	Postponed (alongside federal elections)	5 years

Source: Bundesrat, NORD/LB Markets Strategy & Floor Research

Banque ouest-africaine de développement (BOAD)

We have seen a new EUR benchmark issuer in the market, but we are not able to include it in our coverage on a regular basis: the West African Development Bank (BOAD) was founded in 1973 and is the development bank of the West African Economic and Monetary Union (UEMOA), based in Lomé, Togo. BOAD's sponsors are the West African Central Bank (BCEAO) and the member states of the UEMOA (Benin, Burkina Faso, Ivory Coast, Guinea-Bissau, Mali, Niger, Senegal and Togo). Other shareholders of BOAD include the states of France, Belgium and Morocco, the Chinese central bank, the Indian Eximbank as well as the Kreditanstalt für Wiederaufbau (KfW), the European Investment Bank (EIB) and the African Development Bank (AfDB). According to its statutes, BOAD's objective is to promote the balanced development of its member countries and to support economic integration within West Africa by financing development projects. The focus is also on combating poverty, which is still very widespread in the UEMOA countries. For this reason, BOAD finances, for example, various projects aimed at improving the supply of food in the region and facilitating the population's access to electricity. In addition, BOAD wants to contribute to the mitigation of climate change. In 2019, BOAD granted a total of XOF 498bn (EUR 755m) in loans, of which about 73% was provided to the public sector and 27% to the private sector. The bank finances projects in the areas of rural development, basic infrastructure, modern infrastructure, telecommunications, energy, industry, agricultural industry, transport and tourism. Two-thirds of the total loan amount went to infrastructure projects in 2019. In the context of the coronavirus crisis, the bank has implemented an emergency plan of XOF 200bn (EUR 303 million) to help SMEs and micro-enterprises in particular through the crisis and to preserve jobs. For refinancing, BOAD uses, among other things, CSR bonds, for which a Sustainability Bond Framework has been drawn up. These include green bonds and social bonds, which are used exclusively to finance ecological and social projects, and sustainability bonds, which are intended exclusively to finance projects that meet both criteria (ecological and social). The West African franc (XOF) is issued by the West African central bank with its headquarters in Dakar; 1 EUR is equivalent to approximately 660 XOF.

Rating of BOAD

BOAD has ratings from Moody's (Baa1 [negative]) and from Fitch (BBB [negative]). Moody's lowered the outlook from stable to negative in October 2020, citing pressure on the quality of BOAD's loan portfolio from the coronavirus crisis. In addition, the increasing political instability in Mali (Caa1 [negative]) after the military coup in August 2020 plays a role, as 11% of BOAD's loans are allocated to Mali. Fitch previously lowered the outlook from stable to negative in May 2020, citing possible weakening support from BOAD's shareholders. Fitch specifically cited the downgrade of France's rating (AA) from stable to negative as a trigger. This plays an important role as France offers a convertibility guarantee in terms of the XOF against the EUR.

Previous bonds and new BOAD issue

Banque ouest-africaine de développement has six bonds outstanding to date, three each in XOF and USD. The EUR bond (EUR 750m, 12y) came in at ms +300bp (IPT: ms +350bp; yield: 2.843%). The books grew to over EUR 2.8bn.

Primary market

In this way, BOAD provides an introduction to this week's primary market review: in a trading week that saw various record order books (Spain with more than EUR 130bn for a ten-year bond and France with more than EUR 59bn for a 50-year bond), Italy was not quite able to set a new record, raising "only" EUR 105bn from its activity. The French deal in particular was surprising, as this bond would not be eligible for purchase under the purchase programmes (nor PSPP or PEPP) for another 19 years. However, there was also a lot going on in the area of the Bundeslaender, supranationals and agencies: BERGER issued EUR 1.25bn at ms +4bp for 20 years. BERGER also directly issued another bond (11/2023) (EUR 500m at ms -7bp). BNG also showed up once again with a EUR benchmark deal: EUR 1bn for ten years at ms -3bp. The World Bank, in the form of the IBRD, chose a 40-year term in the form of a social development bond worth EUR 2bn with a spread of ms +23bp. The books amounted to more than EUR 3.6bn. In total, 42% of demand came from Germany and 22% from France. DEXGRP bonds are rare and usually have a certain pick-up; this time too for EUR 1.5bn for seven years at ms +11bp. The IPT were ms +15bp. LBANK, also welcome and seldom seen, opted for ten years and came in at ms -6bp, with guidance having been in the area of ms -6/-7bp. RHIPAL was also able to come up with a deal: EUR 600m for ten years at ms -5bp. No information on the order book was available. The French AFLBNK also showed up on the market once again. Like many others, it opted for a ten-year maturity and came in 31 basis points above the French benchmark. Rentenbank offered a tap – EUR 250m at ms -11bp for its 11/2029 bond. NIESA also brought a tap to its 09/2025 maturity. A value of EUR 500m came in at ms -8bp. No Dutch bank is inferior to another in regulatory terms, so NEDWBK did not need to be asked twice either: EUR 500m for 16 years was raised in the form of a social housing bond at ms +2bp. The guidance had actually been as high as ms +4bp area. Almost as soon as the mandate was issued, the EIB successfully brought a 30-year ECOOP deal at ms +4bp. The deal was at least three times oversubscribed, so the ms +7bp area guidance did not last long. However, its appetite for capital was still not satisfied: the EIB immediately followed up with a mandate for a seven-year floater (€STR). We expect pricing to be sorted out in the very near future. This also applies to the EU, which for its part had a RfP out and is now coming out of the starting blocks for 2021. We still expect EUR 60bn by Easter and over EUR 150bn by the end of the year. In addition, Japan's JFM is conducting a green investor call. NRW.BANK is also following suit – it has mandated a consortium for a EUR Green Bond Roadshow. BRABUR is also appearing on screens with a 25y bond soon and mandated yesterday.

Issuer	Country	Timing	ISIN	Maturity	Volume	Spread	Rating
EIB	SNAT	19.01.	XS2290963466	30.0y	1.00bn	ms +4bp	AAA / Aaa / AAA
NEDWBK	NL	19.01.	XS2291793813	16.1y	0.50bn	ms +2bp	- / Aaa / AAA
BOAD	SNAT	14.01.	XS2288824969	12.0y	0.75bn	ms +300bp	BBB / Baa1 / -
AFLBNK	FR	14.01.	FR0014001LQ5	10.2y	0.50bn	ms +19bp	- / Aa3 / AA-
RHIPAL	DE	14.01.	DE000RLP1254	10.0y	0.60bn	ms -5bp	AAA / - / -
BERGER	DE	14.01.	DE000A3H2Y16	2.8y	0.50bn	ms -7bp	AAA / - / -
LBANK	DE	13.01.	DE000A289CL2	10.0y	1.00bn	ms -6bp	- / - / AA+
DEXGRP	FR	13.01.	XS2289130226	7.0y	1.50bn	ms +11bp	AA- / Aa3 / AA
IBRD	SNAT	13.01.	XS2289410420	40.0y	2.00bn	ms +23bp	- / Aaa / AAA
BNG	NL	13.01.	XS2289404704	10.0y	1.00bn	ms -3bp	AAA / - / AAA
BERGER	DE	13.01.	DE000A3H2Y08	20.0y	1.25bn	ms +4bp	AAA / - / -

Source: Bloomberg, NORD/LB Markets Strategy & Floor Research (Rating: Fitch / Moody's / S&P)

Covered Bonds

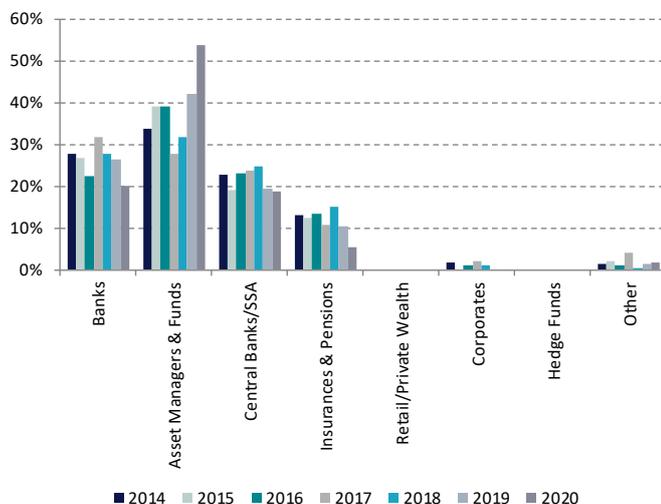
Spread considerations – APAC covered bonds riding the wave of ECB purchase programmes?

Author: Dr Frederik Kunze

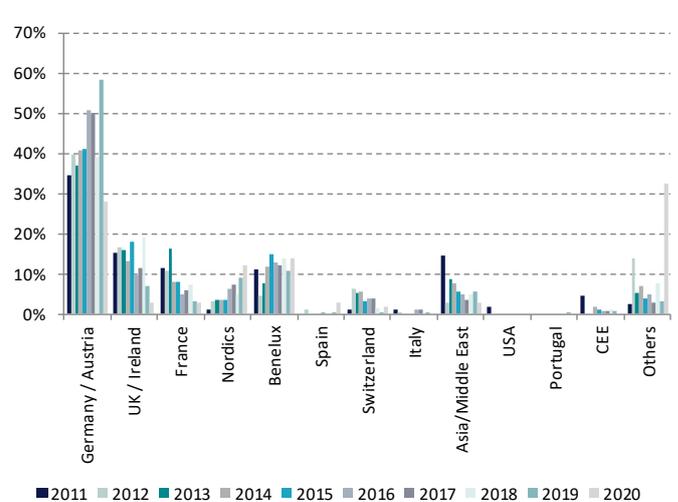
APAC covered bonds in 2021: New signs of life

With a volume outstanding of just over EUR 52bn, issuers in the APAC region certainly represent a share worth mentioning (almost 6%) of the outstanding EUR benchmark volume. However, the issuance volume of EUR 4.85bn in 2020 from Australia (AU), Japan (JP), New Zealand (NZ), Singapore (SG) and South Korea (KR) meant that placements in EUR benchmark format were significantly lower than the levels recorded in previous years (2019: EUR 7.0bn, 2018: EUR 9.75bn). This circumstance partly resulted from the distortions in the wake of the worsening coronavirus crisis, which by no means affected only the APAC region. At the same time and to a certain extent, it also reflects issuer-specific funding requirements, in our opinion. With regard to the spread trend, ASW spreads for APAC jurisdictions were the same as those for their counterparts in the other regions: dramatic widening at the start of the pandemic followed by the relevant tightening. For 2021, we actually expect issuing activities in the primary market to be livelier across the entire region. In relative terms, we would primarily attribute this development to the jurisdictions of Japan, Singapore and South Korea. With regard to the spread trend for APAC bond issues, we would assume that it will not generally be decoupled from that for EUR benchmark bond issues eligible for purchasing under the ECB programmes. In the following, we provide a brief overview of the market developments we expect for APAC covered bonds.

APAC primary market – investor structure



APAC primary market – geographical diversification



Source: market data, NORD/LB Markets Strategy & Floor Research

Primary market – 2020 saw high demand from asset managers & funds

In 2020, only issuers from South Korea (three issues totalling EUR 2bn), Japan (two bond issues worth a combined EUR 1.85bn) and Singapore (one bond issue worth EUR 1.0bn) were present with activities in the APAC region's primary market. With regard to the groups of investors, the high share in the category of asset managers & funds is striking. The increase in this category was mainly at the expense of banks and the category of insurances & pensions.

Primary market 2021 – fresh momentum expected

In our view, a more dynamic trend is to be expected in 2021 due to several factors. This should be reflected in an issuance volume of EUR 7.5bn. In addition to the relaxation of the issuing limit in Singapore, the expectation of imminent finalisation of covered bond legislation in Japan should also be mentioned as well, as the market entrance of new issuers in South Korea (cf. [Hana Bank article in the last issue of this publication](#)). Conversely, a less dynamic trend is evident in the mature markets of Australia and New Zealand in relation to the size of these markets. In fact, we are even expecting negative net supply in both jurisdictions (EUR -5.0bn in total), which means that based on our issuing forecast, the APAC market is likely to shrink, albeit only slightly.

Supply and maturities in 2021 (EUR bn)

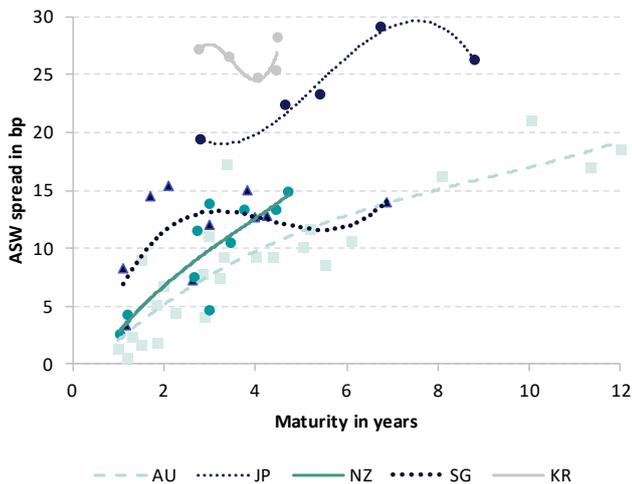
Jurisdiction	Outstanding volume	Maturities 2021	Issues 2021e	Outstanding 12/2021e	Net supply 2021e
AU	29.50	5.50	2.00	26.00	-3.50
JP	4.10	0.00	1.50	5.60	1.50
KR	3.00	0.00	2.00	5.00	2.00
NZ	9.00	2.00	0.50	7.50	-1.50
SG	6.25	0.50	1.50	7.25	1.00

Source: market data, NORD/LB Markets Strategy & Floor Research

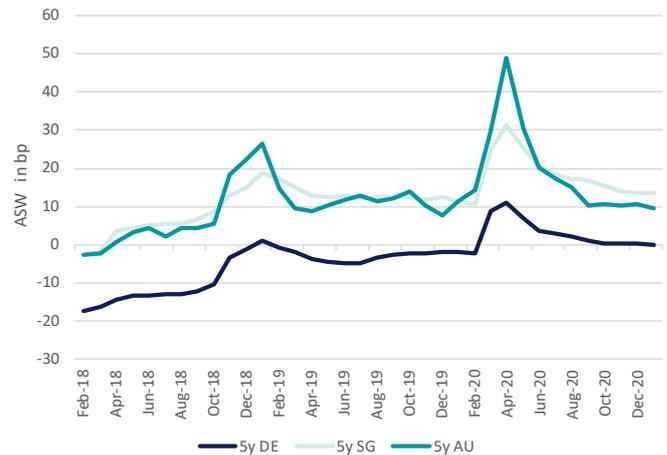
Spread landscape in the APAC region

With regard to the spread landscape in the APAC region, the depth of the market for Australian benchmark bond issues is remarkable and mainly reflected in a differentiated spread curve. In terms of spread levels, AU benchmark bonds have the lowest ASW spreads. With far fewer issues, EUR benchmark covered bonds from New Zealand and Singapore are trading at a slightly higher level. Further yield spread premiums were attributable to Japanese covered bonds. We would link this to the fact that no legal framework exists as yet for covered bond issues from Japan. The implementation in law of the relevant legal provisions would represent a trigger for lower spreads on any bond issues placed under the new Covered Bond Act. In view of the lack of relevant legislation, Japanese covered bonds currently do not meet the requirements for LCR eligible issues. This means that such bonds cannot achieve the best possible category for non-EEA jurisdictions of Level 2A assets. For benchmark bond issues from the other APAC countries, Level 2A applies, in our view. In contrast, a risk weighting of 20% applies to all current APAC benchmark bond issues.

Spread Overview: APAC*



Spread curve – DE, SG, AU (5y generic spreads)



Source: market data, NORD/LB Markets Strategy & Floor Research; * excluding recently placed Hana Bank bonds

Non-eligibility in the context of ECB collateral management and the ECB's CBPP3 and PEPP purchase programmes

None of the EUR benchmark bond issues from the five countries is currently eligible as collateral in terms of the ECB collateral framework. For AU, NZ, KR and SG, this assessment is based on the fact that these countries are not among the G10 (or EMU or EEA). With regard to Japan, we believe that the fact that Japanese covered bonds are not currently eligible results from the structure of the issues outstanding, with recourse to RMBS. For covered bonds from Japan – a G10 country – which would no longer have recourse to RMBS on the basis of the new legislation, utilisation as ECB collateral would therefore theoretically be possible. Conversely, with regard to eligibility for ECB purchase programmes, the same applies for all five countries and this is hardly surprising: their bonds are not eligible for purchasing. In actual fact, however, we do not believe this to be an inevitable reason for APAC benchmarks to remain unaffected, in terms of the spread trend, by the ECB's comprehensive purchases.

Spread expectations for 2021 – relatively constant gap to EMU covered bonds?

For 2021, we expect further subtle spread tightening for APAC covered bonds across all jurisdictions and available maturities. As part of these expectations, we also assume that the Eurosystem's purchasing activities will be felt here as second-round effects. Historical spread curves indicate this as well. They are illustrated in the chart above on the right for Germany as well as Australia and Singapore by way of example. Although covered bonds from Australia and Singapore are trading with a perceptible gap to Pfandbriefe, this spread difference has been relatively steady on average over time. Instances of more marked spread widening, for example in the wake of the announcement of the change in ECB monetary policy at the end of 2018 and the COVID-19 related ASW increases, have not disrupted the long-term correlation on a sustained basis, according to our assessment. In economic terms, the difference in ASW spreads is to be seen as a combination of the differing regulatory classification of EMU covered bonds and APAC covered bonds as well as the higher asset quality of Pfandbriefe.

Riding the wave of ECB monetary policy?

With regard to the technical analysis, there is much to suggest that, in terms of spreads, APAC covered bonds may benefit from the ECB's monetary policy. For example, the TLTRO programmes have curbed EUR benchmarks from EMU countries on the supply side for some time. At the same time, as a buyer, the Eurosystem is siphoning off a high share of both the primary market and the secondary market supply of EMU covered bonds. In particular, investors whose motivations are less based on regulatory aspects but who appreciate characteristics such as the dual recourse of covered bonds may see APAC covered bonds as an alternative that offers a significant pick-up.

2021 APAC spread forecast

Current levels					as of 31/12/2021(e)					Expected spread change				
in bp	3y	5y	7y	10y	in bp	3y	5y	7y	10y	in bp	3y	5y	7y	10y
AU	7.0	9.6	12.2	16.3	AU	3.0	7.0	9.0	14.0	AU	-4.0	-2.6	-3.2	-2.3
JP	20.8	24.2	26.3	26.4	JP	17.0	21.0	23.0	24.0	JP	-3.8	-3.2	-3.3	-2.4
KR	26.6	26.2			KR	23.0	23.0			KR	-3.6	-3.2		
NZ	8.8	11.4			NZ	5.0	8.0			NZ	-3.8	-3.4		
SG	11.5	13.6	14.0		SG	8.0	11.0	11.0		SG	-3.5	-2.6	-3.0	

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

Conclusion

The EUR benchmark segment in relation to the APAC countries – Australia, New Zealand, Japan, Singapore and South Korea – should see a more dynamic trend in 2021 than in 2020, particularly on the back of bond issues from Asian countries. Admittedly, this is also partly, yet not only, the result of a trend towards normalisation in terms of the global economy in general. In this connection, we certainly welcome the fact that the expanding covered bond markets of the three Asian jurisdictions are becoming increasingly established in terms of a regulatory basis and increasing systemic importance. With regard to spreads, we see a certain level of indirect support from the ECB's monetary policy while the difference to core jurisdictions, such as Germany, is comparatively steady. In other words, we do not expect that ASW spreads for EMU covered bonds should be able to decouple from their APAC counterparts on a sustained basis in 2021.

APAC: EUR Benchmark Issues in 2021 (ytd), 2020 and 2019

Issuer	Country	Timing	ISIN	Volume	Bid to Cover	Current Spread	Change vs. Reoffer
KEBHNB	KR	19.01.21	XS2282707178	0.50	3.7	25.7	-1.3
UOBSP	SG	24.11.20	XS2264978623	1.00	2.1	14.3	-2.7
SUMITR	JP	07.10.20	XS2240511076	0.85	1.2	29.7	-0.3
SUMIBK	JP	03.09.20	XS2225211650	1.00	1.8	22.5	-1.5
CITNAT	KR	08.07.20	XS2199348231	0.50	4.4	27.4	-12.6
KHFC	KR	29.06.20	XS2191358667	0.50	1.2	24.9	-10.1
KHFC	KR	29.01.20	XS2100269088	1.00	1.4	25.2	1.2
SUMIBK	JP	28.10.19	XS2066652897	0.75	1.3	26.4	-8.6
SUMIBK	JP	11.06.19	XS2008801297	0.50	1.5	23.5	-1.5
KHFC	KR	11.06.19	XS1999730374	0.50	2.8	25.7	0.7
BQDAU	AU	23.05.19	XS2003420465	0.50	2.4	16.5	-8.5
WSTP	AU	01.04.19	XS1978200472	1.25	1.5	11.4	-6.6
CBAAU	AU	11.02.19	XS1952948104	1.00	1.4	16.4	-12.6
NAB	AU	22.01.19	XS1942618023	1.25	1.8	10	-23
WSTP	NZ	10.01.19	XS1936779245	0.50	1.9	4.8	-27.2
ANZNS	NZ	08.01.19	XS1935204641	0.75	1.3	13.4	-19.6

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

Covered Bonds

Return of the Danish market for EUR benchmark bond issues

Author: Henning Walten, CIIA

Danish market for EUR benchmark bond issues revived after flat period

On Wednesday last week, Jyske Realkredit (the former BRFKredit) brought the Danish market for EUR benchmark bond issues out of hibernation (cf. [Market overview – Covered Bonds](#)). The bond issue worth EUR 500m with a long maturity of six years marked the end of a relatively long dry spell. With an order book of EUR 1.8bn, the deal was 3.6 times oversubscribed and close to the Danish record to date of March 2019, when another bond issue of Jyske Realkredit was four times oversubscribed. It is also worth taking a look at the issuing yield which, at -0.297%, was in the negative range, making the deal the first EUR benchmark bond issue from Denmark to be placed in the market with a negative yield. In view of this recent return of a Danish issuer to the market for EUR benchmarks, we briefly outline in the following the market for Danish EUR benchmark bond issues and the current status with regard to implementation of the Covered Bond Directive in Danish law.

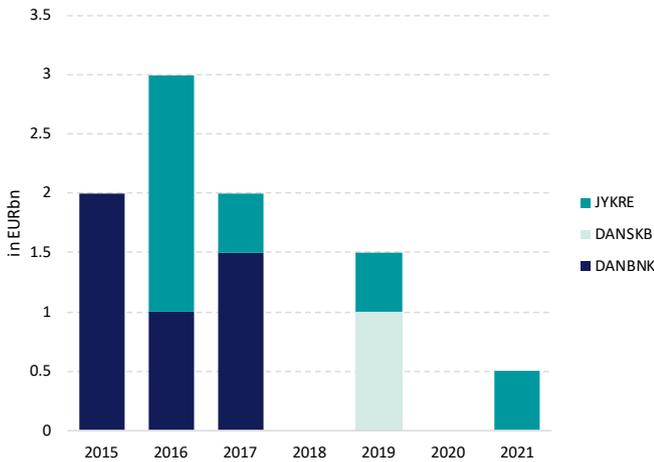
Comparatively small market for EUR benchmark bonds

The recently issued EUR benchmark bonds of Jyske Realkredit saw the return to activity of the market for Danish EUR benchmark bonds with a fixed coupon, following a longer hiatus. Previously, Danish Ship Finance (Danmarks Skibskredit) placed EUR benchmark bond issues worth EUR 500m each in the market in November and March 2019. Jyske Realkredit was also last present in the market in March 2019. In contrast, the most recent market presence of Danske Bank, the Danish issuer with the highest EUR benchmark volume outstanding, was more than three years ago. It is also worth noting that following the latest transaction, Jyske Realkredit now has six EUR benchmark bond issues, which is one more than Danske Bank. The EUR benchmark bonds outstanding are Saerligt Daekkede Obligationer (SDOs). Overall, the total volume of EUR benchmark bond issues outstanding in Denmark amounts to EUR 9.0bn. This puts the Scandinavian country at level pegging with New Zealand ranked in joint 14th place, after Belgium (EUR 19.5bn) but ahead of Singapore (EUR 6.25bn). Based on all issuing currencies, Denmark was (and remains) the largest jurisdiction according to the ECBC annual statistics at the end of 2019, with a share of 15.5% in the global market for covered bonds, although this is mainly attributable to the volume issued in DKK.

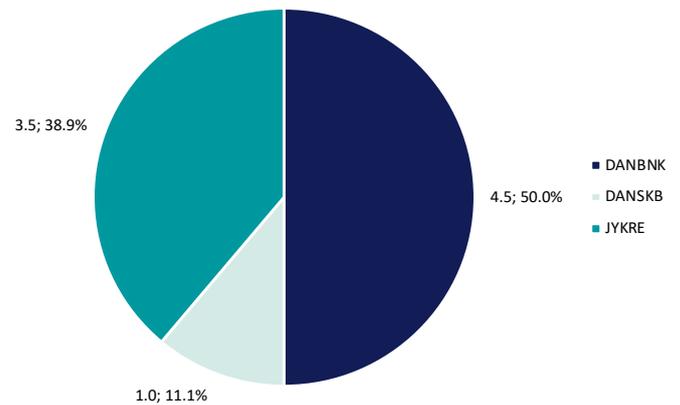
Exception – Nykredit EUR benchmark bond issues

Two bond issues of Nykredit represent an exception. As far as we are aware, both bond issues, one from 2018 and one from 2017 (NYKRE Float 01/01/24 & NYKRE Float 10/01/22), are the only publicly placed floating-rate EUR benchmarks outstanding in the market (cf. [Issuer Guide Covered Bonds 2020](#), page 128 ff.). In view of this feature, the two deals are not included in the iBoxx EUR Covered, since this index requires a fixed coupon for bonds to be included. This special status of the two bond issues also means that they are generally excluded from our review of the EUR benchmark segment and not included in the charts below.

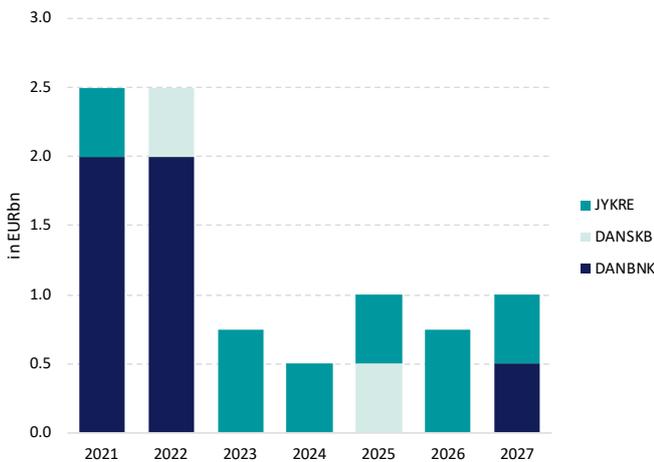
EUR benchmarks – issuance volume since 2015



EUR benchmarks – DK market shares



EUR benchmarks – maturities up to 2026



EUR benchmarks – DK spread curve



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

Harmonisation initiative requires amendment of legal basis

Similar to all other EEA countries, the Danish legislator is also required to implement the requirements of the Covered Bond Directive in national law by 8 July 2021. Denmark is one of the few jurisdictions which have already submitted a draft for adapting the existing national legal provisions. Following an initial consultation phase, it is currently expected that the adaptations regarding covered bonds in Denmark will be presented and discussed in the Danish parliament at the start of next month, February. Both Fitch and S&P already released statements last year on the proposed changes from a risk perspective. In both cases, the proposed amendments were welcomed. Fitch noted in mid-December 2020 that the effects on covered bonds from commercial banks were to be assessed as credit-positive. The experts at S&P concluded at the end of November 2020 that the proposed regulations continued to provide support for their assessment of a strong legal basis for covered bonds in Denmark.

Adaptation required but much already in line

According to a statement by the Danish Financial Supervisory Authority (FSA), the current stipulations of the legal framework already provide considerable concordance with the requirements of the Covered Bond Directive. It stated that minor changes would be made, for example, with regard to the option to use intragroup pooled covered bond structures (Article 8 of the Covered Bond Directive), without the current form being adapted substantially. Article 8 relates to a requirement in the directive which may be implemented by national legislators, although it is not mandatory. Since this Article is particularly relevant to issuers from Denmark, in our opinion, it is unsurprising that harmonisation with the directive will, or rather must, be achieved on this point.

Maturity structure with possible extension

The Danish FSA also mentioned a certain requirement for adjustment with regard to the option of maturity extension of bond issues in the event of insolvency (Article 17). It is important to understand that the Danish legislator also differentiates between covered bond issuers in terms of the legal basis with specialised mortgage credit institutions, universal banks and specialised ship financing institutions. It is our understanding that Danske Bank is a universal bank, whereas Jyske Realkredit would be categorised as a specialised mortgage bank. Conversely, Danmarks Skibskredit, as the name suggests, is a specialised ship financing institution. With regard to the maturity extension of covered bonds which were issued by mortgage banks, the risk experts at S&P stated in a report that these comply with the requirements of the directive. However, the requirements for bonds issued by universal banks would need to be adjusted slightly. This required adjustment was also mentioned by the Danish FSA, specifying that it should be ensured that the trigger for extending maturity (by a maximum of 12 months) is not at the issuer's discretion. Fitch also sees the proposed adjustments as clarification in terms of the process applied to maturity extension. Accordingly, solely the cover pool administrator is in a position to trigger a maturity extension after all other options have been exhausted. Fitch considered these amendments to be credit-positive and suggested that the payment continuity uplift (PCU, cf. [Covered Bond Issuer Guide 2020](#), page 642 ff.) may be increased from five to six notches for the relevant programmes, which would represent an increased buffer against issuer downgrades. Conversely, S&P sees a requirement for improving the proposed amendments regarding the sequence of bond maturities in connection with maturity extensions.

More extensive adjustments required for some points

The Danish FSA identified a slightly greater need for adjustments to a few points. For example, a minimum overcollateralisation ratio of a nominal 2% is proposed for both mortgage and universal banks, which corresponds to the lower limit specified in the directive. However, both S&P and Fitch require higher values as minimum OC or break-even OC (for AAA rated covered bonds). They do not therefore assume that this lower limit will be particularly relevant. The introduction of a 180-day liquidity buffer is another of these points, although this would not affect mortgage banks in view of existing requirements. In connection with the buffer calculation, Fitch pointed out that it is based on the maturity date after maturity extension and the buffer does not therefore include redemption payments of bonds, describing the buffer consequently as not effective.

Conclusion

The bonds issued last week by Jyske Realkredit marked the return of activities in the relatively small Danish market for EUR benchmark bond issues after a lengthy period of inactivity. For the year as a whole, we currently expect an issuance volume of EUR 1.0bn, which would mean that the market for EUR benchmarks in Denmark is likely to shrink by EUR 1.5bn. With regard to progress made on the implementation of the requirements of the Covered Bond Directive, the Danish legislator is spearheading these. Following a consultation phase from the end of October to the end of November 2020, the draft is currently still being processed at the ministry of justice, but according to statements by the Danish Financial Supervisory Authority, may already be presented in the Danish parliament at the beginning of February. Although there is a basic need for some adjustments, these are manageable, according to the Authority. Rating agencies Fitch and S&P welcomed the proposed amendments, although they also identified a requirement for improving on certain points.

SSA/Public Issuers

22nd meeting of the Stability Council (Dec. 2020)

Autor: Dr. Norman Rudschuck, CIIA

Foreword on the Stability Council and the economic situation

On 18 December 2020, the Stability Council convened via video conference for its 22nd meeting. The meeting was chaired by Doris Ahnen, Finance Minister of Rhineland-Palatinate, and Olaf Scholz, Federal Minister of Finance. The Stability Council is a joint body operated by the federal government (Bund) and federal states (Bundeslaender). The establishment of the Stability Council can be traced back to Federalism Reform II (Foederalismusreform II), since which time its existence has been governed by Art. 109a of the Basic Law (GG). The impacts of the coronavirus crisis are of course being clearly reflected in the financial situations of both Bund and Laender. Accordingly, the latest meeting of the Stability Council was also eventful. The Stability Council explained that the federal government is anticipating a decline in GDP of -5.5% for 2020. However, growth of +4.4% is forecast for 2021. A return to the level recorded in 2019 will therefore only be possible from 2022 onwards. Economic development will largely depend on the further course of the pandemic. According to Olaf Scholz, the financial situation at both Bund and Laender level remains solid despite the impact of the coronavirus crisis.

Higher deficit in 2021 than 2020

In terms of the overall public budget, the Stability Council is expecting a deficit of 5% of GDP in 2020, before rising to 7% of GDP in 2021. The forecast for 2021 has therefore deteriorated, which can be attributed to the continuation of business aid during the pandemic into the 2021 budget year. However, due to this, the forecast for 2020 has improved somewhat. The structural deficit ratio is expected to stand at 2.5% for 2020 and at 6% for 2021. In calculating the level of structural net lending/borrowing, the (unadjusted) budget balance is adjusted to take economic influences into consideration. As negative economic influences are likely to be higher in 2020 than 2021, the structural deficit for the new year will rise much more sharply than the unadjusted value. Compliance with the Maastricht criteria for budget balances (no deficits in excess of 0.5% of GDP) will presumably only be manageable again by 2024: in 2022 and 2023, the Stability Council is anticipating structural deficits of 1.75% and 0.75% respectively. In the opinion of the Stability Council, however, any violations of the deficit ceiling between 2020 and 2023 are permissible and would be in line with European fiscal regulations, given that the present crisis activates an exemption clause.

First debt brake compliance check

In its 22nd meeting, the Stability Council monitored compliance with the debt brake introduced last year pursuant to Article 109 (3) GG. Taking into account the exceptional situation, both Bund and Laender will comply with the debt brake in 2020 and 2021, as this has been suspended. The Stability Council is of the view that the Covid-19 pandemic will continue to constitute a natural disaster/unusual emergency situation as set out in Article 109 GG. No complaints were raised from the harmonized analysis system based on European requirements.

Stability Council review on the basis of individual stability reports

As part of its regular budgetary monitoring procedures, the Stability Council reviewed the budgetary situation of both Bund and Laender on the basis of their stability reports. The restructuring programmes agreed in December 2017 with the Laender of Bremen and Saarland expired at the end of 2020. Restructuring programmes are agreed with the relevant regional authority affected if a critical budgetary situation is identified for the corresponding Bundesland. According to the stability report, both Bremen and Saarland continue to constitute anomalies, with their respective budgetary situations facing significant challenges over the coming years, also due to the coronavirus pandemic. In spring 2021, an assessment is to be conducted – taking account of the exceptional pandemic situation – which will seek to determine whether the threat of a budgetary emergency is still present in both Laender. The Stability Council found no indications of impending budgetary emergencies in the case of the other Bundeslaender or at federal government level either. However, the Stability Council will also be forced to consider the significant differences between the Laender in their budgetary approaches aimed at managing the crisis as well as the fact that the respective metrics are therefore subject to varying degrees of topicality and depth of focus. Comparability and informative value is therefore limited.

Number of anomalies rises only marginally

The number of anomalies recorded increased by one year on year to stand at 17 in total. This value has therefore remained at a low level in spite of the coronavirus crisis. The peak value of 29 was registered in 2011. Last year, the number of anomalies had fallen to an historic low of 16. The Stability Council identifies an anomaly as soon as one of the relevant key metrics (net lending/borrowing, credit financing ratio, interest/tax ratio, debt level) in one of the analysis periods (1. Current situation = last two financial years and current financial year; 2. Planning = financial planning of the coming years) breaches the permitted limit several times. Since 2020, an updated system to assess the budgetary situations has been used. Details on the new version can be accessed [here](#). Information on the function of the Stability Council, its key metrics and unchanged definitions is available in the current version of our [NORD/LB Issuer Guide Deutsche Bundeslaender 2020](#).

Anomalies identified by the Stability Council

	Budget balance		Credit financing ratio		Interest-tax ratio		Debt level	
	Current	Planning	Current	Planning	Current	Planning	Current	Planning
Baden-Württemberg	No	No	No	No	No	No	No	No
Bavaria	No	No	No	No	No	No	No	No
Brandenburg	Yes	No	No	No	No	No	No	No
Hesse	No	No	No	No	No	No	No	No
Mecklenburg-Western Pomerania	No	No	No	No	No	No	No	No
Lower Saxony	No	No	No	No	No	No	No	No
North Rhine-Westphalia	No	No	No	No	No	No	No	No
Rhineland-Palatinate	No	No	No	No	No	No	No	No
Saarland	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Saxony	No	No	No	No	No	No	No	No
Saxony-Anhalt	No	No	No	No	No	No	Yes	No
Schleswig-Holstein	No	No	No	No	No	No	Yes	Yes
Thuringia	No	No	No	No	No	No	No	No
Berlin	No	No	No	No	No	No	Yes	No
Bremen	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Hamburg	No	No	No	No	No	No	No	No

Source: Stability Council, NORD/LB Markets Strategy & Floor Research

Structural net lending/borrowing in EUR per capita

	Current		Target	Limit	Financial planning				Limit
	2018	2019	2020	Violations	2021	2022	2023	2024	Violations
Baden-Wuerttemberg	293	333	-316	No	-214	-229	-215	-264	No
Bavaria	339	18	-1.644	No	-101	-96	-86	-	No
Brandenburg	182	-382	-1.147	Yes	-693	-170	-146	-72	No
Hesse	239	283	-1.134	No	-408	-251	-148	21	No
Mecklenburg-Western Pom	140	82	-553	No	-198	8	-9	58	No
Lower Saxony	340	178	-1.135	No	-163	-130	-55	13	No
North Rhine-Westphalia	65	121	-26	No	-337	-241	-49	21	No
Rhineland-Palatinate	308	249	-831	No	-316	-206	-94	15	No
Saarland	-185	-176	-1.040	Yes	-399	-281	115	161	No
Saxony	414	220	-797	No	-459	-279	-159	-39	No
Saxony-Anhalt	127	97	-174	No	204	-375	-297	-	No
Schleswig-Holstein	224	43	-297	No	-86	-365	-258	-156	No
Thuringia	311	231	-1.093	No	-407	100	147	177	No
Berlin	281	304	-122	No	-865	-42	64	129	No
Bremen	-220	-133	-2.648	Yes	-24	-67	-1	-1	No
Hamburg	887	810	-1.033	No	180	144	30	-	No
Laender average*	248	163	-733		-268	-155	-73	5	
Threshold (universal)	48	-37	-933		-983	-983	-983	-983	

* The Laender average from 2021 was determined using estimates. **Red** = Violation of permitted threshold values; several times = value exceeded
Source: Stability Council, NORD/LB Markets Strategy & Floor Research

Credit financing ratio in %

	Current		Target	Limit	Financial planning				Limit
	2018	2019	2020	Violations	2021	2022	2023	2024	Violations
Baden-Wuerttemberg	14,0	-3,2	20,1	No	3,5	-1,4	-1,5	-0,8	No
Bavaria	0,0	-0,5	39,6	No	-0,4	-0,4	-0,4	-	No
Brandenburg	-0,1	5,9	13,2	No	13,6	1,4	0,9	0,1	No
Hesse	-2,7	-1,9	17,1	No	8,2	5,5	3,0	-2,0	No
Mecklenburg-Western Pom	-4,3	-1,4	6,0	No	-1,4	-1,4	-1,4	-1,4	No
Lower Saxony	-2,3	0,6	20,3	No	2,3	1,3	0,7	-0,3	No
North Rhine-Westphalia	-0,5	-0,3	-0,5	No	6,7	5,0	-0,1	-0,4	No
Rhineland-Palatinate	-3,8	-2,1	16,4	No	6,3	3,9	1,6	-0,5	No
Saarland	5,8	6,4	21,5	Yes	8,6	5,8	-1,0	-1,9	No
Saxony	-2,3	-4,9	8,4	No	5,5	2,2	-5,8	-7,3	No
Saxony-Anhalt	-1,3	0,7	2,3	No	-4,0	-2,5	-2,7	-	No
Schleswig-Holstein	-1,0	-0,3	6,6	No	2,1	1,4	0,8	-0,4	No
Thuringia	-3,0	-0,7	15,1	No	0,7	-2,9	-4,3	-4,3	No
Berlin	-3,9	-2,4	17,6	No	2,0	1,3	-0,2	-0,9	No
Bremen	7,3	4,4	25,0	Yes	-0,4	0,7	0,2	0,2	No
Hamburg	-5,9	-7,6	16,5	No	0,4	0,1	0,5	-	No
Laender average*	0,6	-1,2	20,2		3,4	1,3	-0,6	-1,5	
Threshold (universal)	3,6	1,8	23,2		25,2	25,2	25,2	25,2	

* The Laender average from 2021 was determined using estimates. **Red** = Violation of permitted threshold values; several times = value exceeded
Source: Stability Council, NORD/LB Markets Strategy & Floor Research

Interest/tax ratio in %

	Current		Target	Limit	2021	Financial planning			Limit
	2018	2019	2020	Violations		2022	2023	2024	Violations
Baden-Wuerttemberg	3,6	3,1	3,5	No	4,3	3,2	3,2	3,1	No
Bavaria	1,3	1,1	1,1	No	1,0	1,0	1,1	-	No
Brandenburg	3,1	2,8	2,8	No	2,9	2,0	1,9	1,8	No
Hesse	4,4	3,9	4,7	No	3,9	3,7	3,6	3,5	No
Mecklenburg-Western Pom	3,5	3,2	3,1	No	3,1	2,8	3,5	2,9	No
Lower Saxony	3,8	3,4	4,2	No	4,2	4,0	3,9	3,7	No
North Rhine-Westphalia	3,9	3,1	3,4	No	2,9	3,2	2,9	3,1	No
Rhineland-Palatinate	4,0	3,2	3,6	No	3,0	2,8	2,6	2,4	No
Saarland	10,0	8,5	11,6	Yes	8,5	8,3	7,2	7,0	Yes
Saxony	1,1	0,8	1,0	No	0,5	0,4	0,4	0,5	No
Saxony-Anhalt	4,5	4,1	3,8	No	3,7	4,0	3,9	-	No
Schleswig-Holstein	4,5	3,9	4,2	No	4,3	4,2	4,3	5,0	No
Thuringia	4,2	3,8	4,7	No	4,1	3,8	3,6	3,4	No
Berlin	5,4	4,8	4,8	No	5,0	4,5	4,2	4,1	No
Bremen	13,4	13,4	13,5	Yes	12,7	11,6	10,8	10,8	Yes
Hamburg	3,5	3,4	4,1	No	3,6	3,8	3,9	-	No
Laender average*	3,7	3,2	3,5		4,2	4,0	3,8	3,9	
Threshold (non-city states)	5,2	4,5	4,9		5,9	5,9	5,9	5,9	
Threshold (city states)	5,5	4,8	5,3		6,3	6,3	6,3	6,3	

* The Laender average from 2021 was determined using estimates. **Red** = Violation of permitted threshold values; several times = value exceeded

Source: Stability Council, NORD/LB Markets Strategy & Floor Research

Debt level in EUR per capita

	Current		Target	Limit	2021	Financial planning			Limit
	2018	2019	2020	Violations		2022	2023	2024	Violations
Baden-Wuerttemberg	4.022	4.063	5.052	No	5.278	5.278	5.278	5.252	No
Bavaria	2.069	2.056	5.106	No	5.102	5.098	5.095		No
Brandenburg	5.867	6.085	6.880	No	7.638	7.712	7.757	7.762	No
Hesse	6.344	6.395	7.302	No	7.755	8.069	8.265	8.217	No
Mecklenburg-Western Pom	5.831	5.833	6.268	No	7.604	7.604	7.604	7.604	No
Lower Saxony	7.603	7.581	8.681	No	8.788	8.849	8.883	8.871	No
North Rhine-Westphalia	7.606	7.959	8.024	No	8.361	8.618	8.618	8.607	No
Rhineland-Palatinate	7.331	7.400	8.363	No	8.672	8.867	8.950	8.925	No
Saarland	13.659	14.125	15.234	Yes	15.633	15.894	15.829	15.728	Yes
Saxony	2.675	2.658	3.291	No	3.767	4.069	3.964	3.779	No
Saxony-Anhalt	8.692	9.071	9.188	Yes	9.143	9.097	9.052	-	No
Schleswig-Holstein	9.709	9.846	10.182	Yes	10.400	10.619	10.803	10.926	Yes
Thuringia	6.721	6.801	7.653	No	7.622	7.417	7.209	6.998	No
Berlin	15.037	14.812	16.455	Yes	16.620	16.754	16.756	16.701	No
Bremen	29.834	29.446	33.081	Yes	32.975	33.022	33.012	33.012	Yes
Hamburg	13.041	12.624	14.101	No	14.014	13.985	13.985	-	No
Laender average*	6.598	6.689	7.786		10.586	10.685	10.691	10.952	
Threshold (non-city states)	8.578	8.696	10.122		10.222	10.322	10.422	10.522	
Threshold (city states)	14.516	14.715	17.129		17.229	17.329	17.429	17.529	

* The Laender average from 2021 was determined using estimates. **Red** = Violation of permitted threshold values; several times = value exceeded

Source: Stability Council, NORD/LB Markets Strategy & Floor Research

Saarland restructuring programme

Since 2011, Saarland has been undergoing a restructuring programme, which was renewed in 2017 up to and including 2020. This has therefore now expired (for the time being). In the current budgetary situation, anomalies were recorded for all four key metrics once again. In the financial planning for the coming years, this will only be the case for the interest/tax ratio and the debt level, both figures that are, generally speaking, slower to respond to budget adjustments. Compliance with the repayment requirement of at least EUR 50m for 2020 will not be possible in view of the coronavirus pandemic. However, taking into account the crisis situation, the Stability Council considers deviations from the requirements to be permissible within the meaning of the Basic Law. After negative net borrowing was recorded in both 2018 and 2019, the coronavirus pandemic saw net borrowing sky-rocket to a record value of around EUR 1.1bn. With the supplementary budget for 2020, Saarland set up a special fund to deal with the financial consequences of the crisis with a credit authorisation of EUR 1.4bn. Starting from 2025, this funding is to be repaid within 30 years. As was the case back in the spring, the Stability Council is calling for net borrowing to be limited to a strictly necessary level in order to combat the pandemic. The Stability Council has identified serious challenges for the budget of Saarland over the coming years and is urgently recommending that it returns to a policy of budgetary consolidation so as not to jeopardise the restructuring successes recorded over recent years.

Bremen restructuring programme

Just like Saarland, Bremen has also been undergoing a restructuring programme since 2011, which was extended in 2017 until 2020. The anomalies identified in the key figures were identical to those for Saarland, as had already been the case in recent years. Compared with 2010, each of the four key figures continuously improved for Bremen up to 2019, with the exception of per capita debt, although values for this metric have also been falling since 2016. Due to the Covid-19 pandemic, this positive trend could obviously not be continued. In Bremen, too, compliance with the minimum repayment requirement of EUR 50m for 2020 was not possible. After negative net borrowing was recorded for the first time in 2019, the coronavirus pandemic saw this figure rise again to around EUR 1.8bn for 2020. Increased expenditure for coping with the medical emergency are to be bundled in a "Bremen Fund" totalling EUR 1.27bn as a cross-departmental budget item. As is the case in Saarland, crisis-based loans are to be repaid within 30 years (although for Bremen this will begin from the 2024 budget year). The Stability Council has also deemed budgetary deviations to be permissible for Bremen due to the emergency situation. The Stability Council's assessment of the restructuring measures and the budgetary situation in Bremen is largely congruent with that seen in Saarland. In its report on the restructuring process in Bremen, the Stability Council again calls for net borrowing to combat the pandemic to be limited to a strictly necessary level and is likewise recommending a rapid return to a policy of budgetary consolidation so as not to jeopardise the restructuring successes recorded over recent years.

Lower Saxony: balanced budget and stable debt level

And how is our majority shareholder faring? Lower Saxony has not exceeded the threshold value for any of the key figures taken into account by the Stability Council and is therefore again not required to undergo restructuring. Accordingly, no anomalies have again been recorded for Lower Saxony – even when taking account of the emergency pandemic situation. Due to solid budget management in recent years, Lower Saxony will be able to navigate the challenges presented by the coronavirus pandemic. The current situation proves that the Bundesland's ability to act remains unaffected by the introduction of the debt brake. In line with current budget and financial planning, Lower Saxony will post structural deficits between 2020 and 2023. From 2024, the structural financial deficit should again be balanced.

Latest progress report on the development of eastern Germany

Another topic discussed by the Stability Council is the development of eastern Germany (Aufbau Ost), for which the funds under Solidarity Pact II are used. In this context, the eastern German Laender received annual payments from the federal government between 2005 and 2019 from two separate "baskets", with the aim of offsetting below-average municipal financial strength (Basket I) and above-average financial commitments in certain political areas (Basket II). Over this time frame as a whole, the volume of the two baskets totalled EUR 161.7bn, of which EUR 105.3bn was transferred to Basket I and EUR 56.3bn went to Basket II. Based on the reports submitted, it was ascertained that the eastern German Laender had used the funds available under the Solidarity Pact for the prescribed purposes for the eighth successive occasion. In comparison with the financially weak non-city states in western Germany, the non-city states in eastern Germany were able to contribute an above-average investment sum of EUR 3.6bn aimed at closing the infrastructure gap. In conclusion, the Stability Council praised the Aufbau Ost project for making a substantial contribution to overcoming issues associated with lagging infrastructure, improving the quality of life in eastern Germany and driving forwards economic development in this part of the country.

Conclusion

The 22nd meeting of the Stability Council was dominated by the impacts of the coronavirus crisis. Since its first meeting in April 2010, the financial situation of the German Laender has steadily improved. This is evident from the decreasing number of anomalies and/or limits exceeded identified by the Stability Council – until Covid-19 started. The meeting in 2011 identified 29 anomalies, whereas the figure was down to only 17 in 2020 despite the onset of the coronavirus pandemic. This follows on from a record low of 16 anomalies recorded in the previous year. Although the exact impact of the coronavirus crisis on Laender budgets will only become clear when the current measures of the states are supported by actual figures, an overall positive development can be determined. Furthermore, restructuring programmes have helped to stabilise Laender where the budgetary situation was deemed to be critical. Up until the beginning of the pandemic, the positive metric trends in the last two Laender to follow restructuring programmes, namely Bremen and Saarland, indicated that progress had been made. A re-evaluation as to whether or not a budgetary emergency still exists in these Laender will not take place until spring 2021.

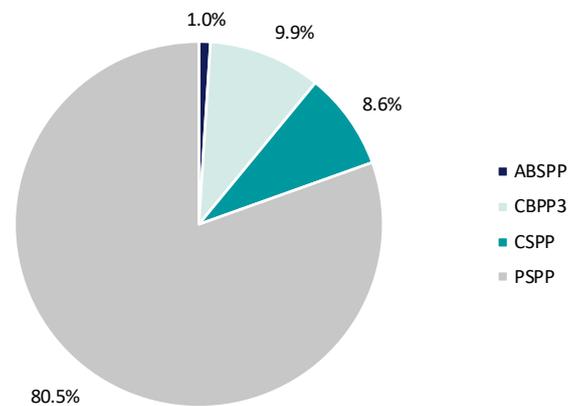
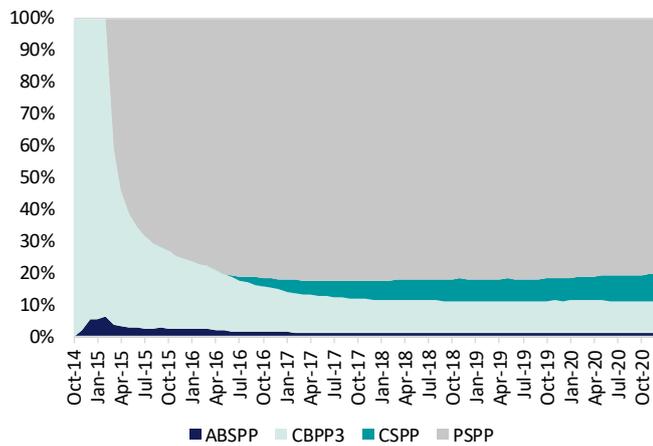
ECB tracker

Asset Purchase Programme (APP)

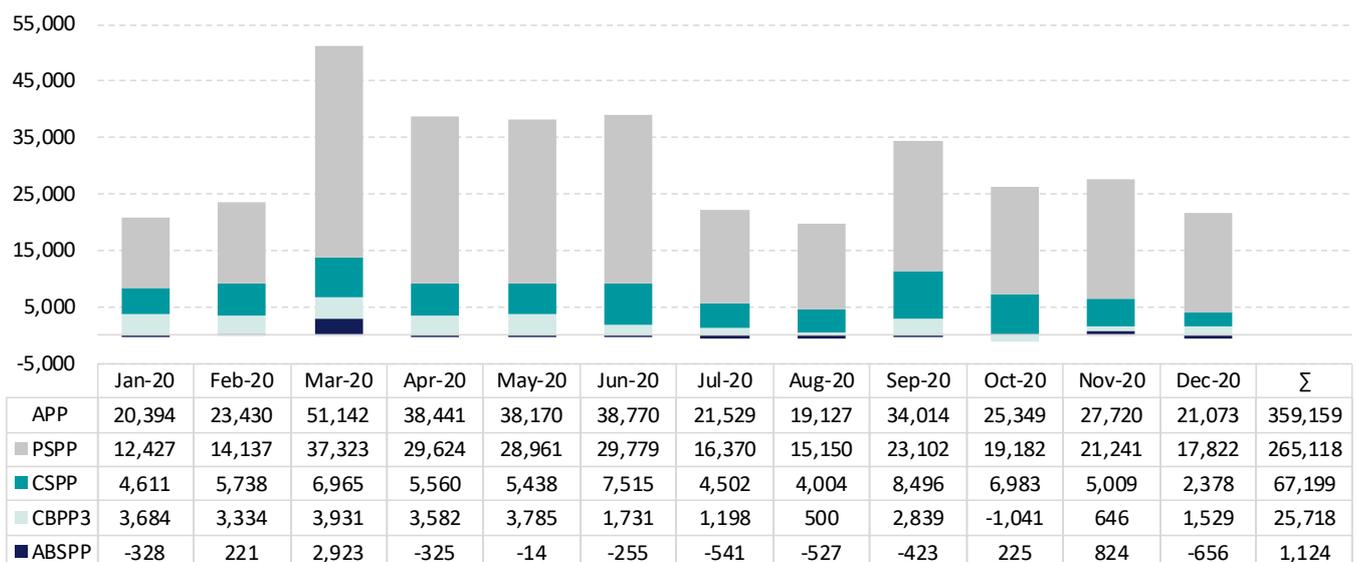
Holdings (in EURm)

	ABSPP	CBPP3	CSPP	PSPP	APP
Nov-20	30,161	286,458	248,340	2,330,562	2,895,521
Dec-20	29,497	287,545	250,403	2,341,607	2,909,053
Δ	-664	+1,087	+2,063	+11,045	+13,532

Portfolio structure

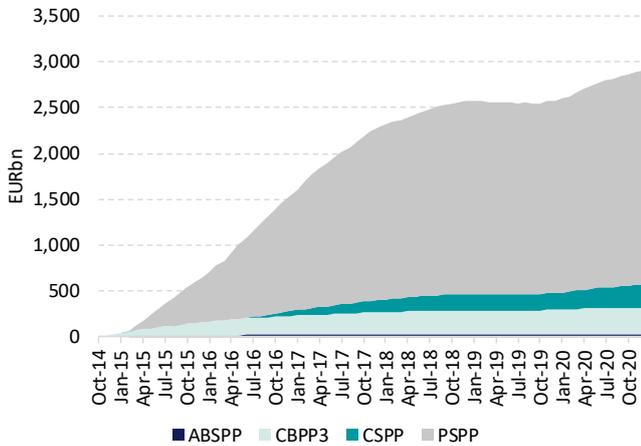


Monthly net purchases (in EURm)

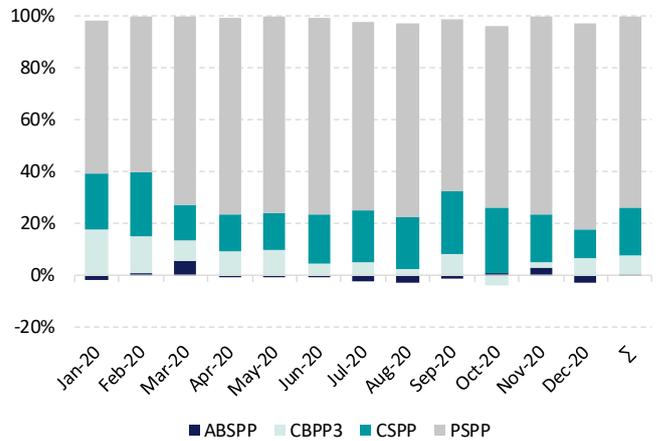


Source: ECB, NORD/LB Markets Strategy & Floor Research

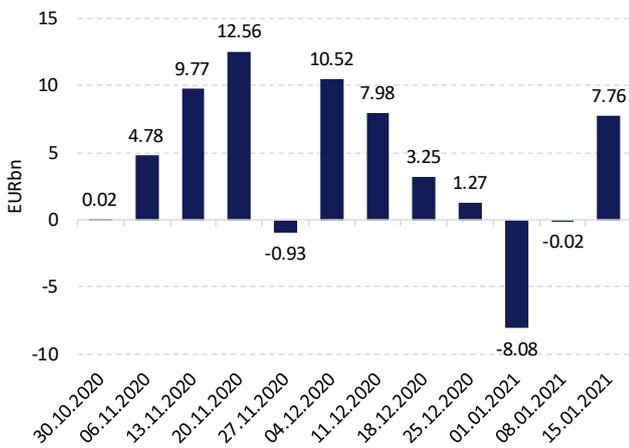
Portfolio development



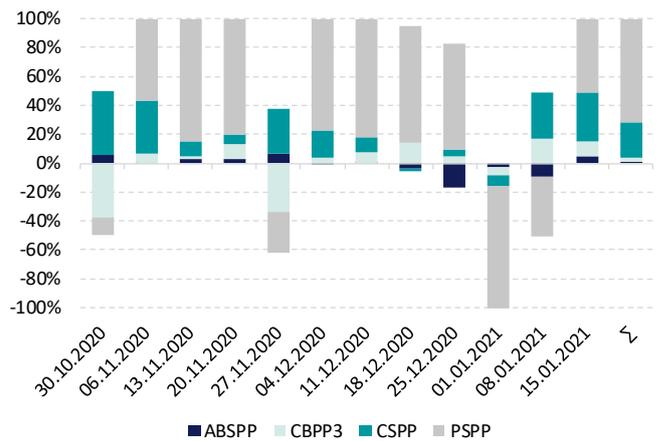
Distribution of monthly purchases



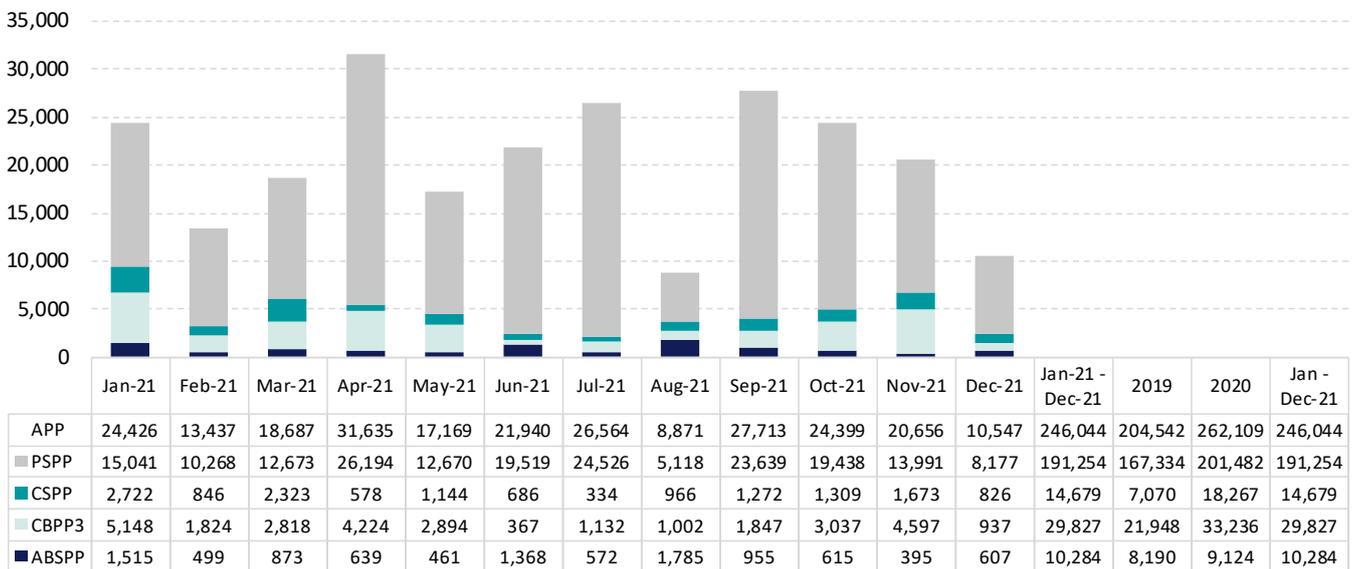
Weekly purchases



Distribution of weekly purchases



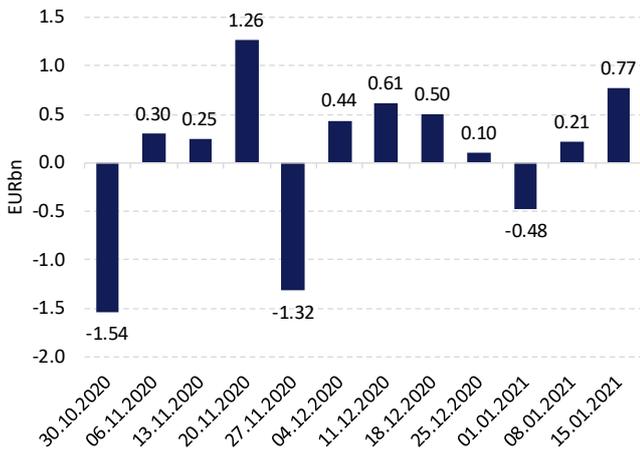
Expected monthly redemptions (in EURm)



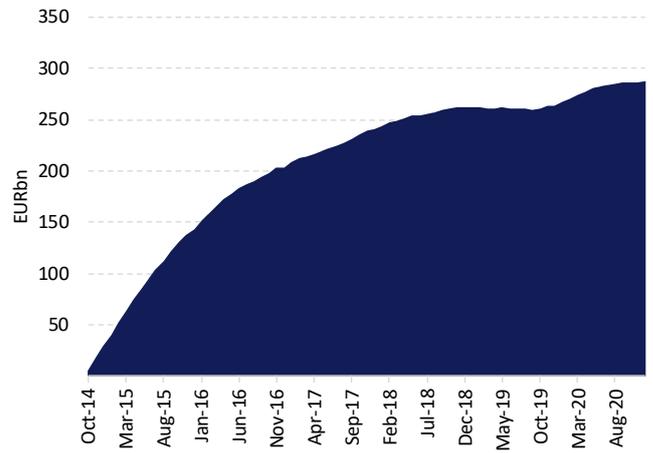
Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research

Covered Bond Purchase Programme 3 (CBPP3)

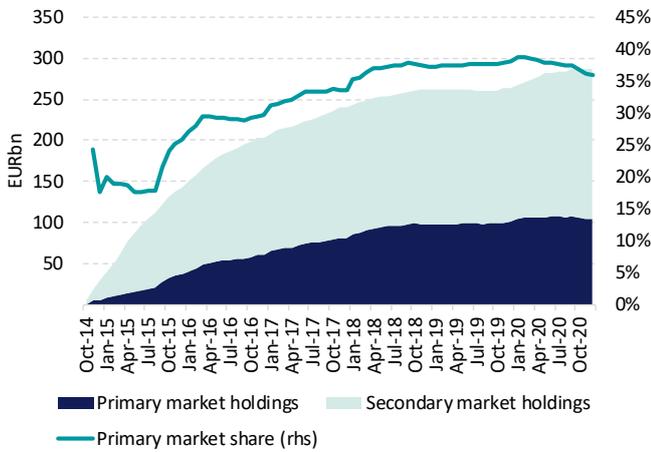
Weekly purchases



Development of CBPP3 volume



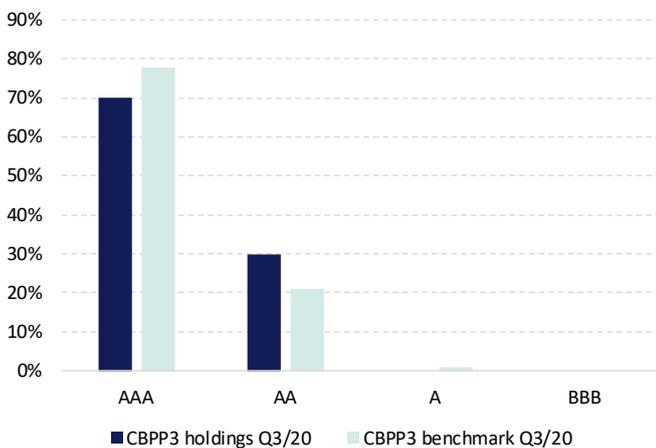
Primary and secondary market holdings



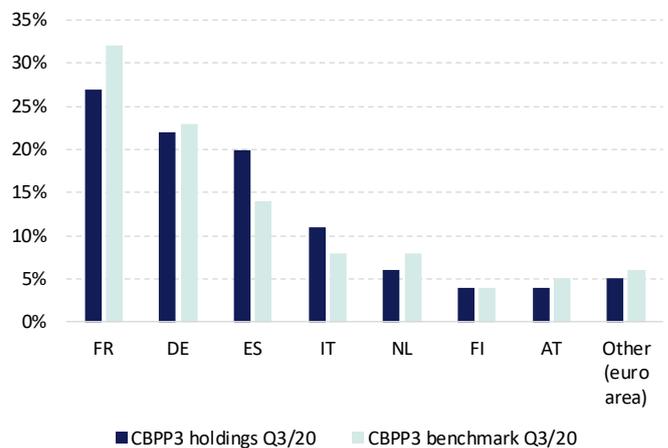
Change of primary and secondary market holdings



Distribution of CBPP3 by credit rating

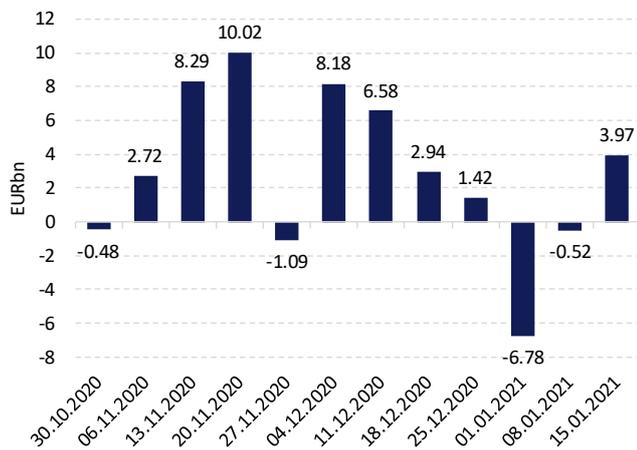


Distribution of CBPP3 by country of risk

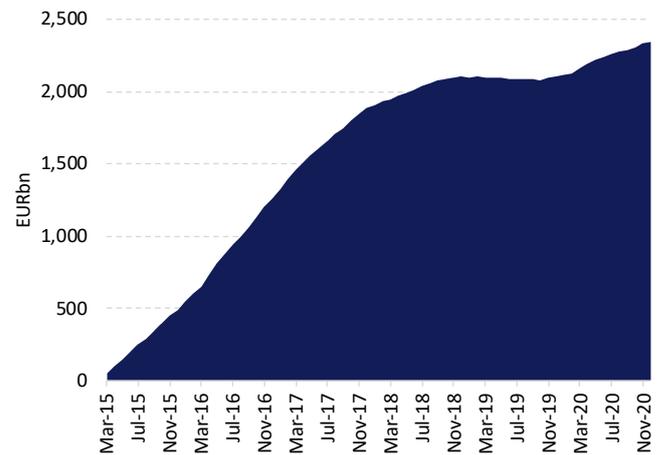


Public Sector Purchase Programme (PSPP)

Weekly purchases



Development of PSPP volume



Overall distribution of PSPP buying at month-end

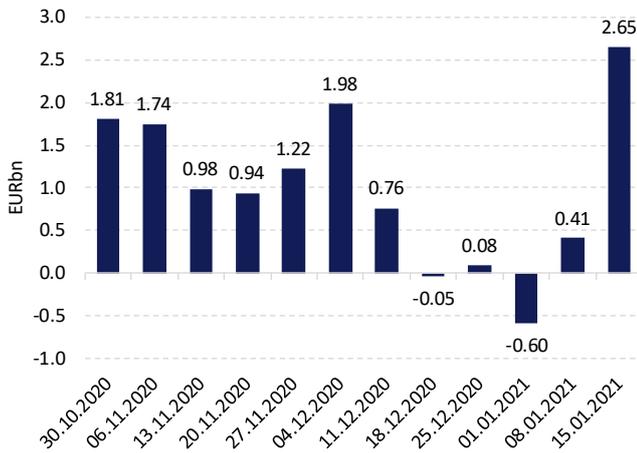
Country	Adjusted distribution key ¹	Purchases (EURm)	Expected purchases (EURm) ²	Difference (EURm)	Average time to maturity in years	Market average in years ³	Difference in years
AT	2.701%	67,577	66,048	1,529	7.78	8.04	-0.3
BE	3.362%	85,867	82,213	3,654	8.29	10.10	-1.8
CY	0.199%	3,142	4,856	-1,714	9.98	9.09	0.9
DE	24.327%	575,158	594,868	-19,710	6.52	7.64	-1.1
EE	0.260%	263	6,357	-6,094	9.52	9.51	0.0
ES	11.004%	290,758	269,088	21,670	8.12	8.41	-0.3
FI	1.695%	35,448	41,450	-6,002	7.10	7.95	-0.8
FR	18.848%	484,506	460,892	23,614	7.25	8.25	-1.0
IE	1.563%	36,997	38,212	-1,215	8.75	9.85	-1.1
IT	15.677%	411,971	383,360	28,611	7.28	7.71	-0.4
LT	0.360%	4,471	8,793	-4,322	9.84	11.00	-1.2
LU	0.304%	2,904	7,433	-4,529	5.31	6.36	-1.0
LV	0.534%	2,904	13,060	-10,156	9.71	10.30	-0.6
MT	0.097%	1,215	2,367	-1,152	9.82	9.34	0.5
NL	5.408%	117,408	132,245	-14,837	7.61	8.45	-0.8
PT	2.160%	45,389	52,815	-7,426	7.12	7.38	-0.3
SI	0.444%	8,936	10,866	-1,930	9.33	10.11	-0.8
SK	1.057%	14,259	25,843	-11,584	8.24	8.57	-0.3
GR	0.00%	0	0	0	0.00	15.93	0.0
SNAT	10.00%	256,123	244,530	11,593	7.43	8.74	-1.3
Total / Avg.	100.0%	2,445,296	-	-	7.31	8.27	-1.0

¹ Based on the ECB capital key, adjusted to include supras and the disqualification of Greece² Based on the adjusted distribution key ³ Weighted average time to maturity of the bonds eligible for purchasing under the PSPP

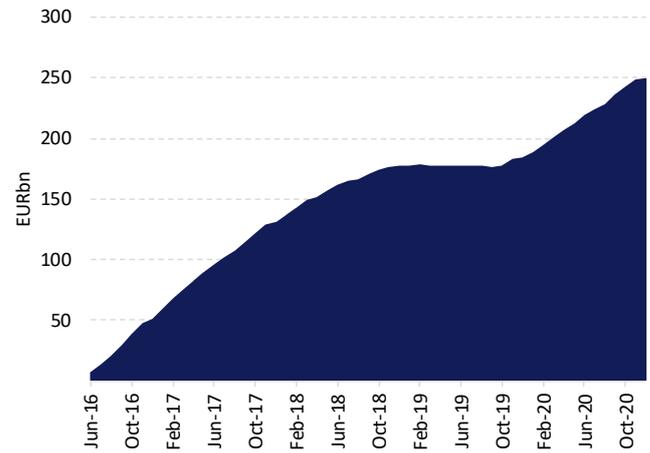
Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research

Corporate Sector Purchase Programme (CSPP)

Weekly purchases

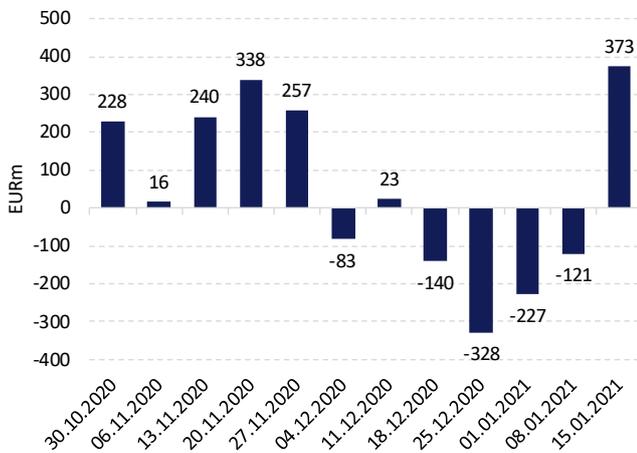


Development of CSPP volume

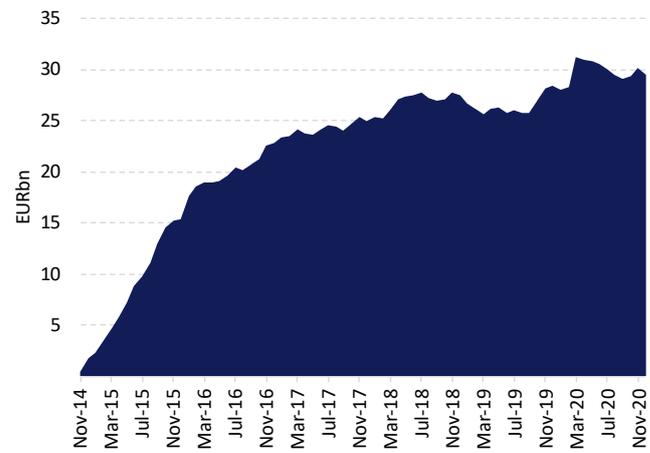


Asset-Backed Securities Purchase Programme (ABSPP)

Weekly purchases



Development of ABSPP volume



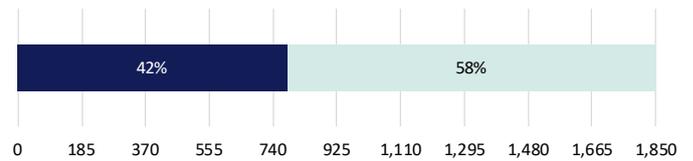
Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research

Pandemic Emergency Purchase Programme (PEPP)

Holdings (in EURm)

	PEPP
Nov-20	700,003
Dec-20	757,166
Δ	+57,163

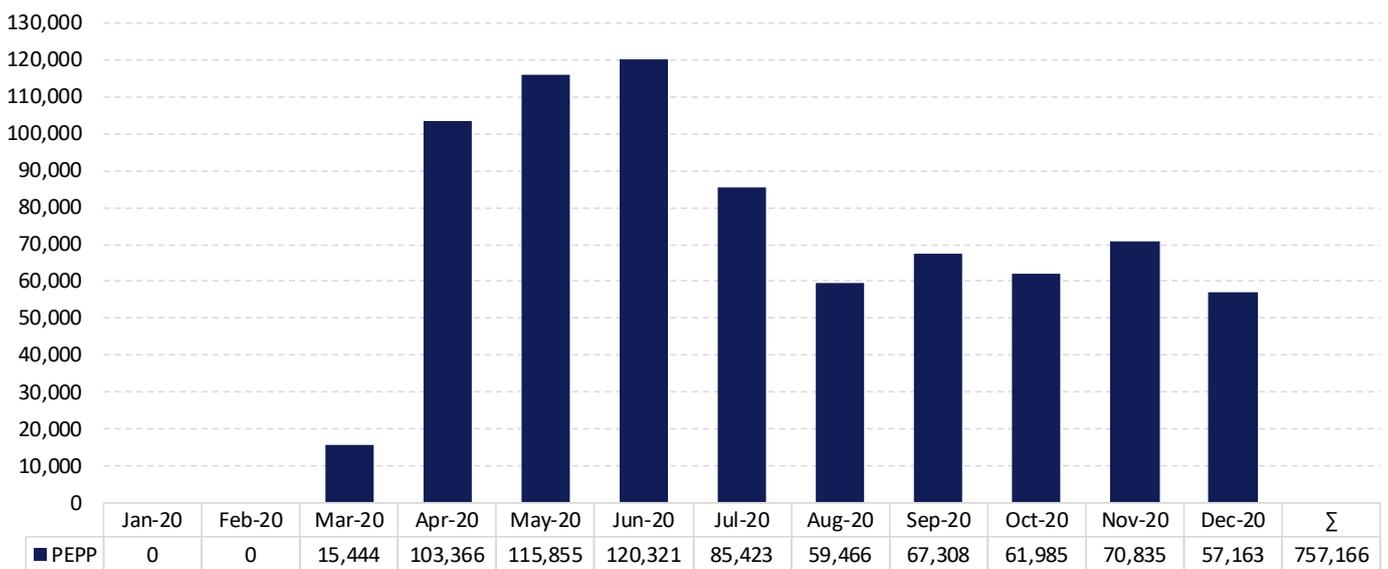
Volume already invested (in EURbn)



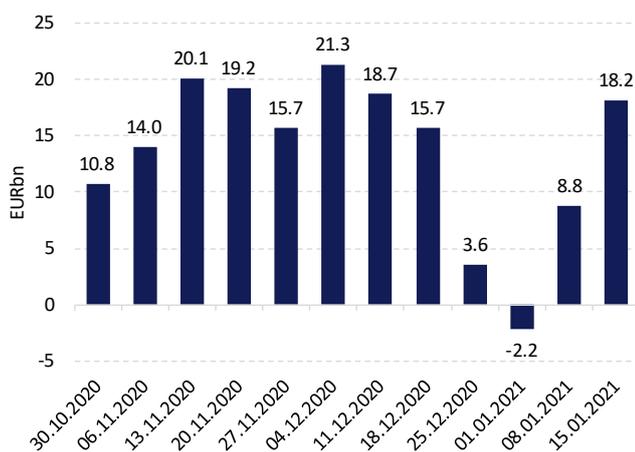
Estimated portfolio development

Assumed pace of purchases	Weekly net purchase volume	PEPP limit hit in ...
Average weekly net purchase volume so far	EUR 18.6bn	58 weeks (25.02.2022)

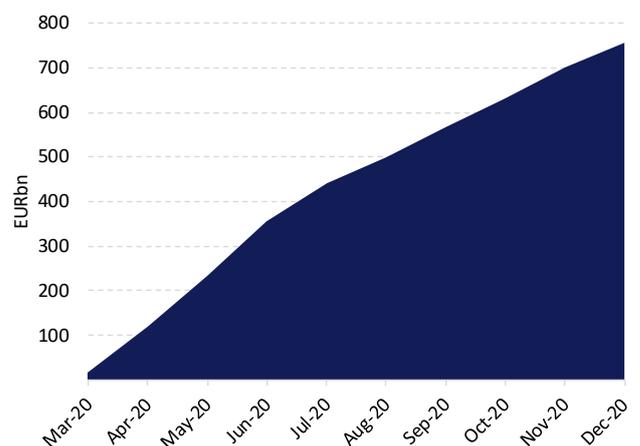
Monthly net purchases (in EURm)



Weekly purchases



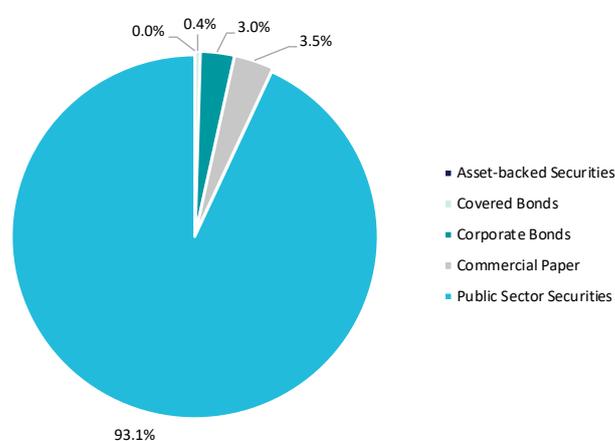
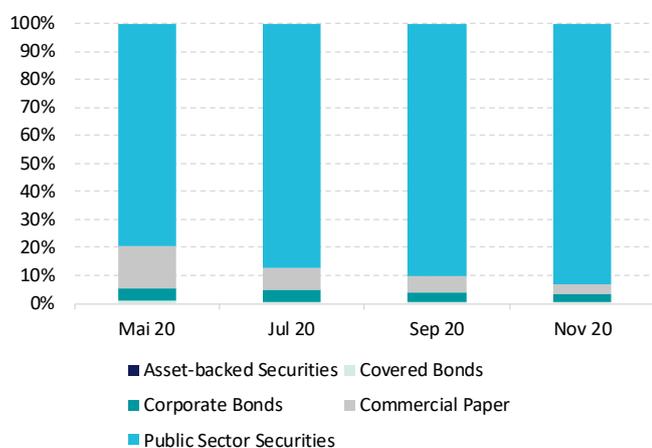
Development of PEPP volume



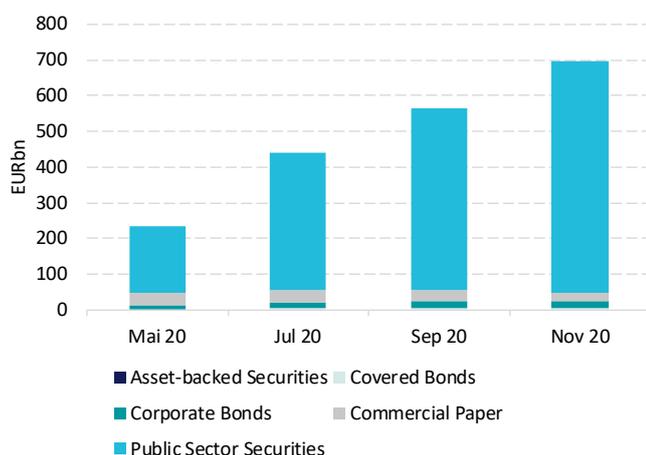
Holdings under the PEPP (in EURm)

	Asset-backed securities	Covered bonds	Corporate bonds	Commercial paper	Public sector securities	PEPP
Sep-20	0	3,123	20,418	31,988	510,112	565,641
Nov-20	0	3,123	20,760	24,306	650,272	698,461
Δ	0	0	342	-7,682	140,160	132,820

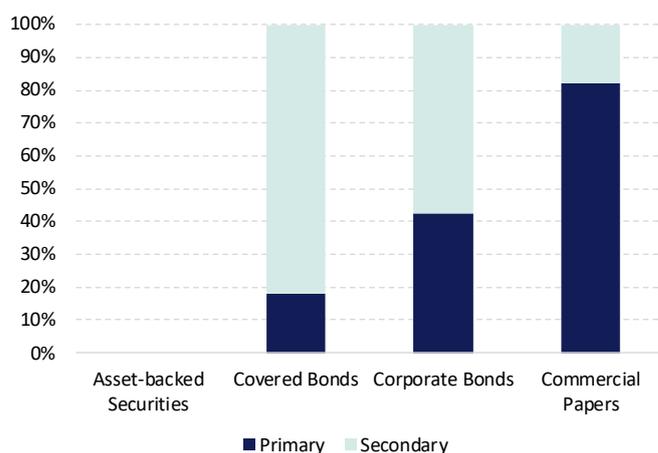
Portfolio structure



Portfolio development



Share of primary and secondary market holdings



Breakdown of private sector securities under the PEPP as of July 2020

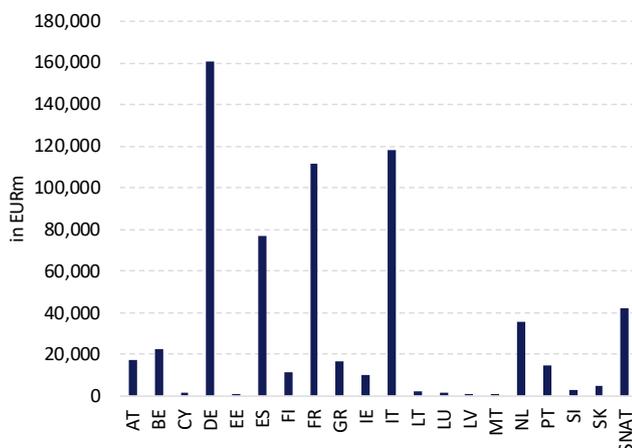
	Asset-backed securities		Covered bonds		Corporate bonds		Commercial papers	
	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
Bestand in EURm	0	0	557	2,566	8,842	11,918	20,001	4,305
Anteil	0.0%	0.0%	17.8%	82.2%	42.6%	57.4%	82.3%	17.7%

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

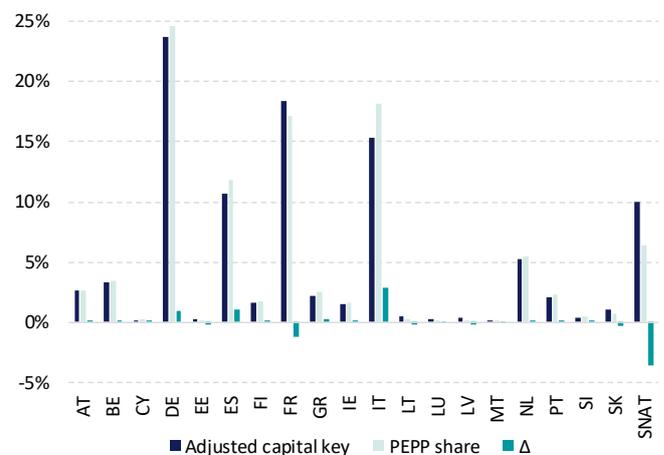
Breakdown of public sector securities under the PEPP

Jurisdiction	Holdings (in EURm)	Adj. distribution key ¹	PEPP share	Deviations from the adj. distribution key ²	Ø time to maturity (in years)	Market average ³ (in years)	Difference (in years)
AT	17,567	2.6%	2.7%	0.1%	10.9	7.1	3.9
BE	22,197	3.3%	3.4%	0.1%	6.3	9.4	-3.1
CY	1,484	0.2%	0.2%	0.0%	10.9	8.3	2.5
DE	160,619	23.7%	24.6%	0.9%	4.8	6.7	-1.9
EE	207	0.3%	0.0%	-0.2%	9.1	7.5	1.6
ES	77,128	10.7%	11.8%	1.1%	8.5	7.4	1.0
FI	11,169	1.7%	1.7%	0.1%	7.2	7.0	0.3
FR	111,810	18.4%	17.2%	-1.2%	8.6	7.3	1.4
GR	16,307	2.2%	2.5%	0.3%	8.4	9.4	-1.0
IE	10,317	1.5%	1.6%	0.1%	8.9	9.6	-0.7
IT	118,169	15.3%	18.1%	2.8%	6.8	6.9	0.0
LT	2,080	0.5%	0.3%	-0.2%	11.8	10.6	1.2
LU	1,244	0.3%	0.2%	-0.1%	7.1	6.4	0.8
LV	907	0.4%	0.1%	-0.2%	9.1	10.3	-1.2
MT	261	0.1%	0.0%	-0.1%	7.5	8.1	-0.7
NL	35,705	5.3%	5.5%	0.2%	4.1	7.3	-3.2
PT	14,809	2.1%	2.3%	0.2%	6.8	6.6	0.2
SI	3,131	0.4%	0.5%	0.0%	8.3	9.5	-1.2
SK	4,707	1.0%	0.7%	-0.3%	7.8	8.2	-0.4
SNAT	41,991	10.0%	6.4%	-3.6%	8.9	7.6	1.3
Total / Avg.	651,810	100.0%	100.0%	-	7.0	7.2	-0.3

Distribution of public sector assets by jurisdiction



Deviations from the adjusted distribution key

¹ Based on the ECB capital key, adjusted to include supras ² Based on the adjusted distribution key³ Weighted average time to maturity of the bonds eligible for purchasing under the PEPP

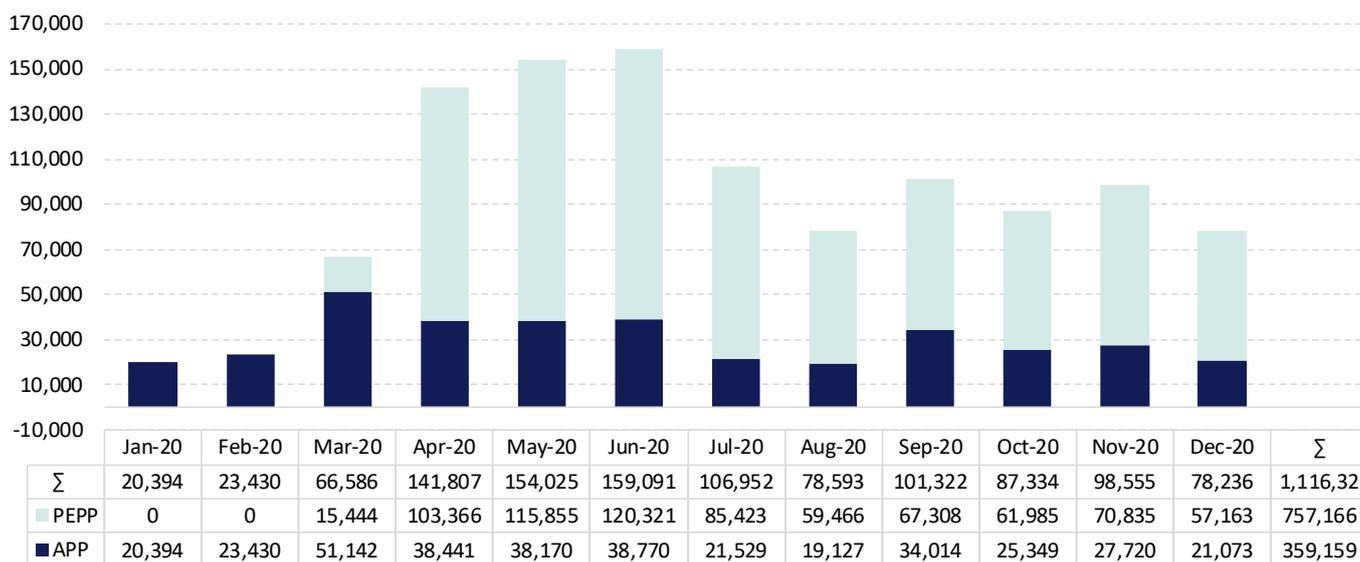
Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research

Aggregated purchase activity under APP and PEPP

Holdings (in EURm)

	APP	PEPP	APP & PEPP
Nov-20	2,895,521	700,003	3,595,524
Dec-20	2,909,053	757,166	3,666,219
Δ	+13,532	+57,163	+70,695

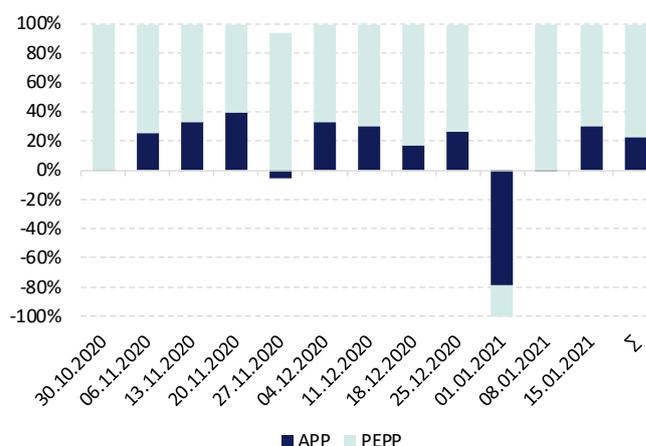
Monthly net purchases (in EURm)



Weekly purchases

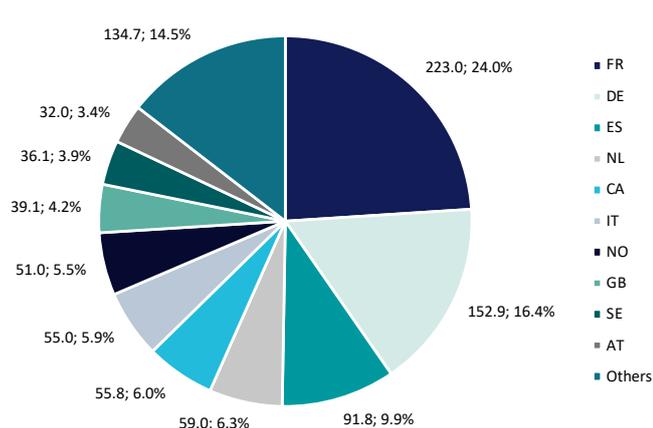


Distribution of weekly purchases

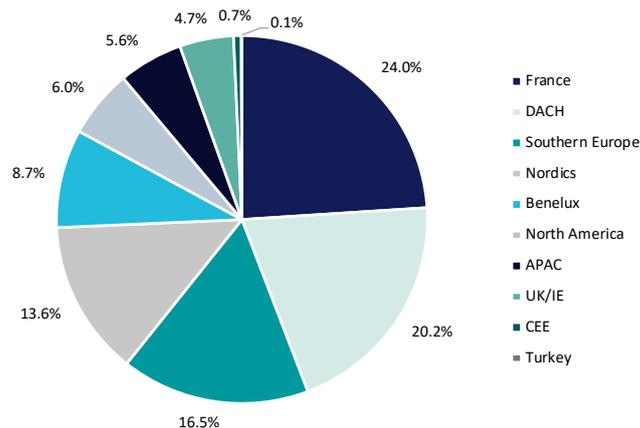


Charts & Figures Covered Bonds

EUR benchmark volume by country (in EURbn)



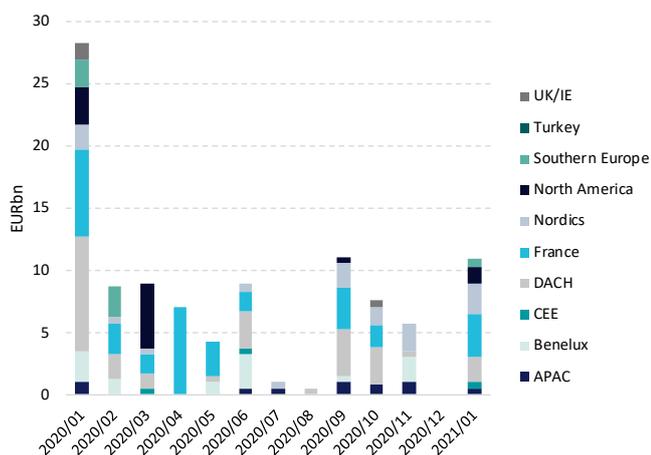
EUR benchmark volume by region (in EURbn)



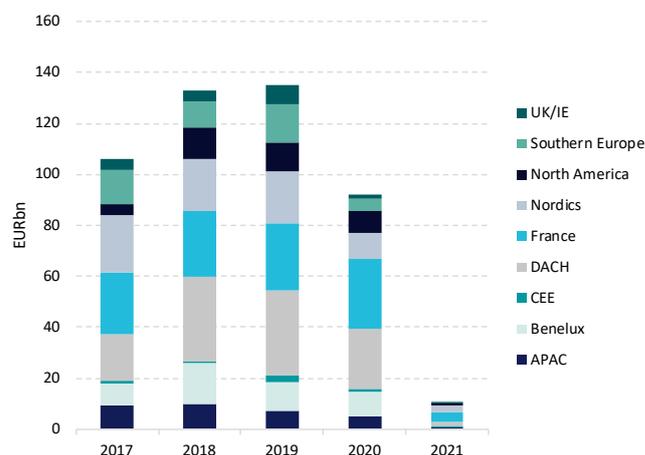
Top-10 jurisdictions

Rank	Country	Amount outst. (EURbn)	No. of BMKs	There of ESG BMKs	Avg. issue size (EURbn)	Avg. initial maturity (in years)	Avg. mod. Duration (in years)	Avg. coupon (in %)
1	FR	223.0	203	7	0.96	10.1	5.5	1.20
2	DE	152.9	229	12	0.60	8.2	4.7	0.49
3	ES	91.8	74	3	1.14	11.4	3.9	1.87
4	NL	59.0	58	0	0.97	11.1	7.3	0.98
5	CA	55.8	47	0	1.16	6.0	3.1	0.30
6	IT	55.0	63	0	0.84	9.0	4.2	1.57
7	NO	51.0	58	7	0.88	7.2	3.7	0.61
8	GB	39.1	43	0	0.92	8.3	3.2	1.18
9	SE	36.1	41	0	0.88	7.4	3.3	0.57
10	AT	32.0	58	0	0.55	9.3	5.8	0.75

EUR benchmark issue volume by month

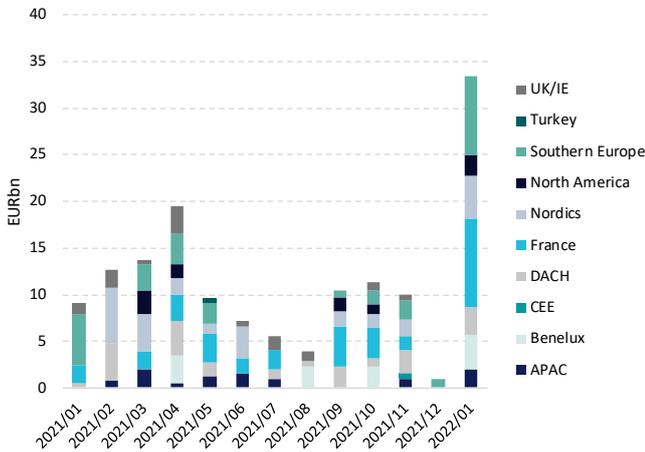


EUR benchmark issue volume by year

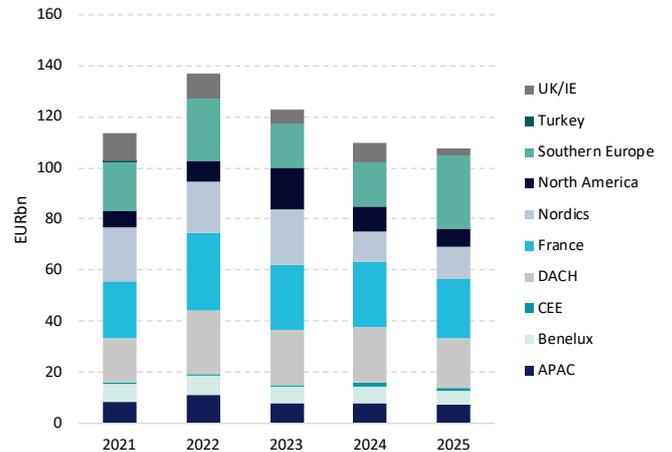


Source: Market data, Bloomberg, NORD/LB Markets Strategy & Floor Research

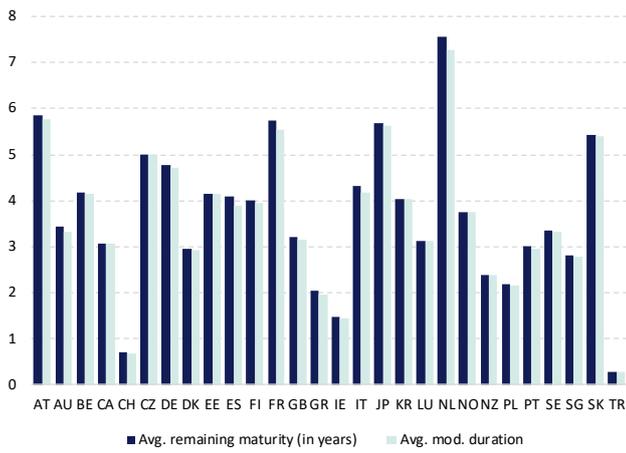
EUR benchmark maturities by month



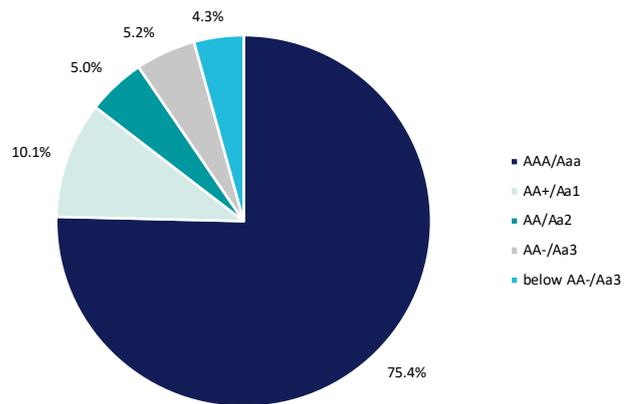
EUR benchmark maturities by year



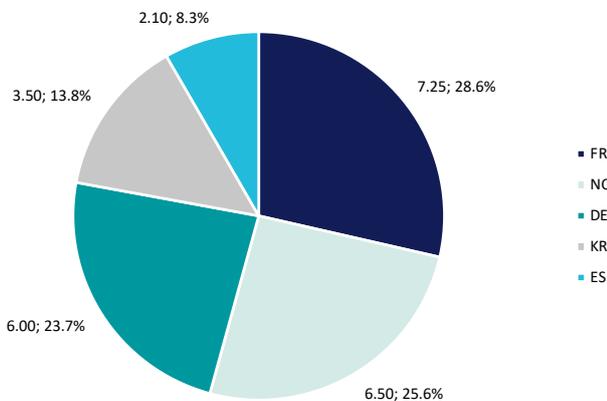
Modified duration and time to maturity by country



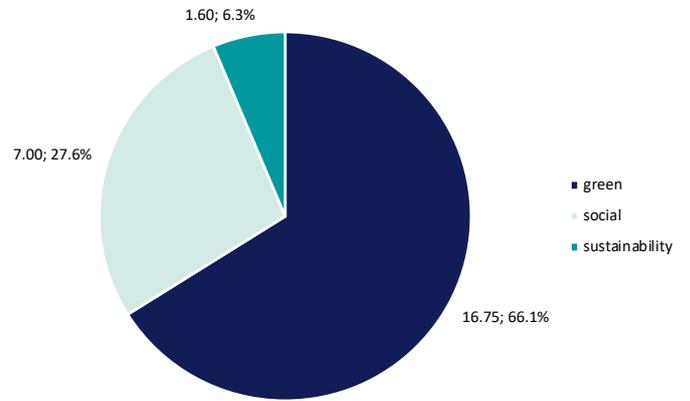
Rating distribution (volume weighted)



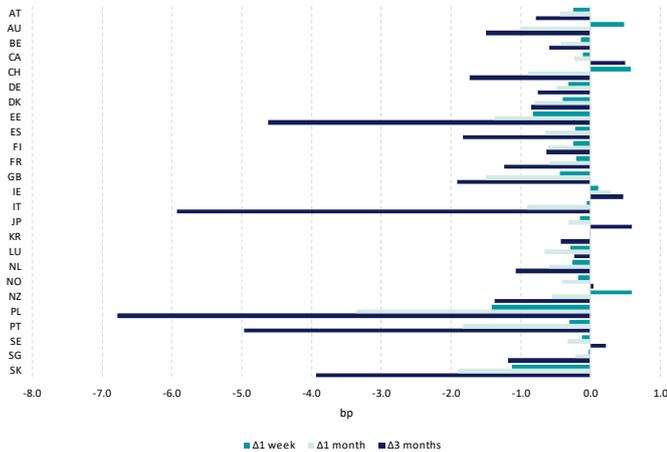
EUR benchmark volume (ESG) by country (in EURbn)



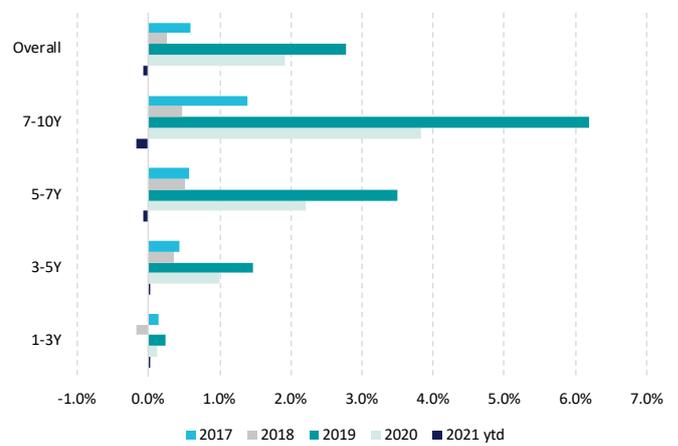
EUR benchmark volume (ESG) by type (in EURbn)



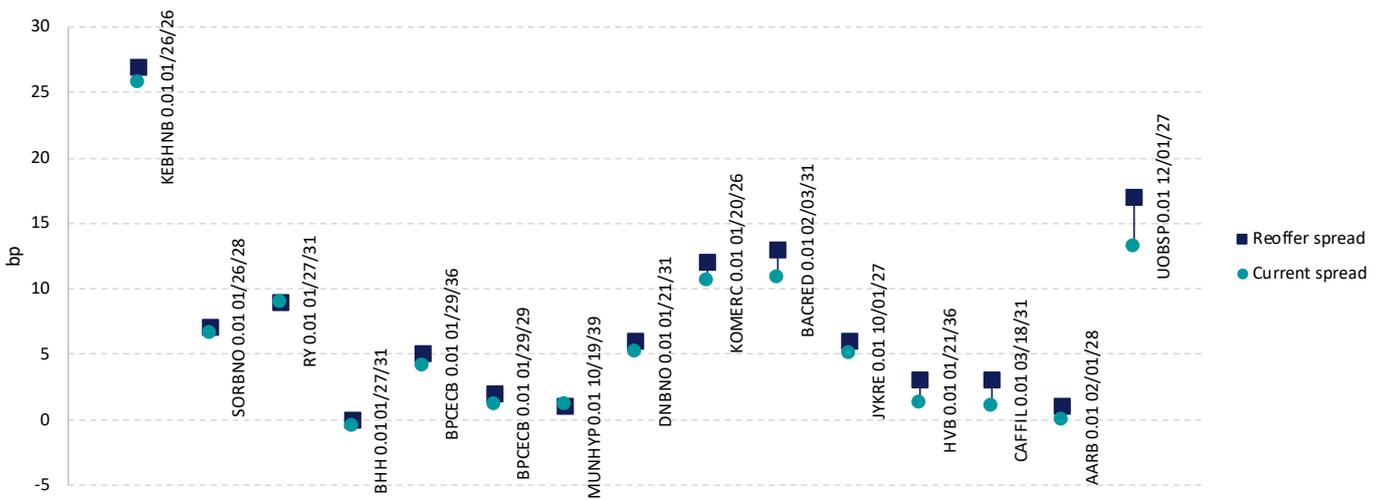
Spread development by country



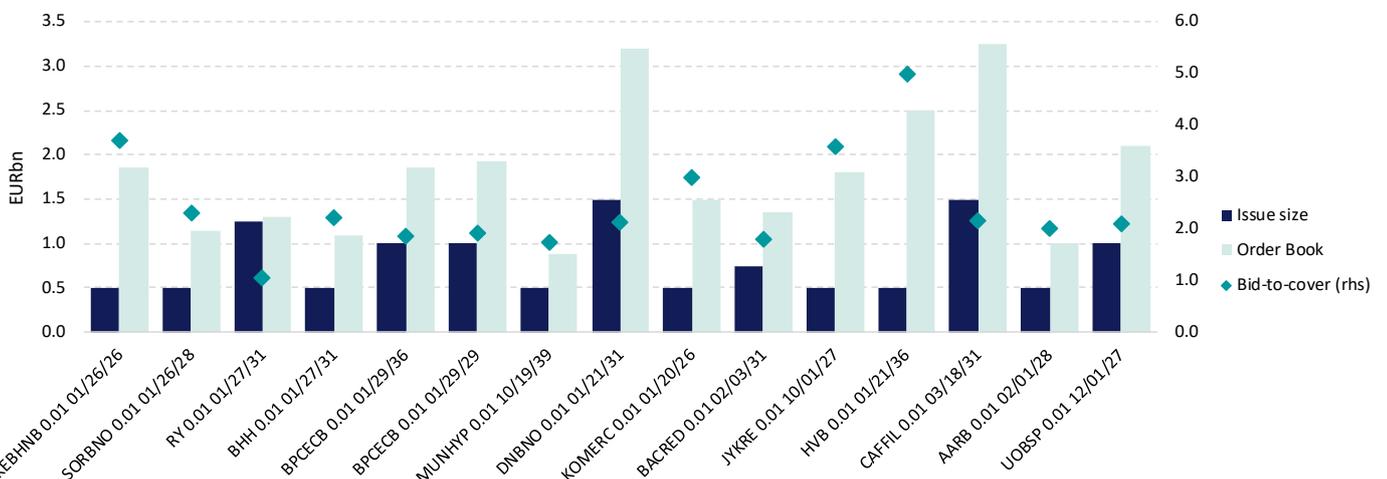
Covered bond performance (Total return)



Spread development (last 15 issues)

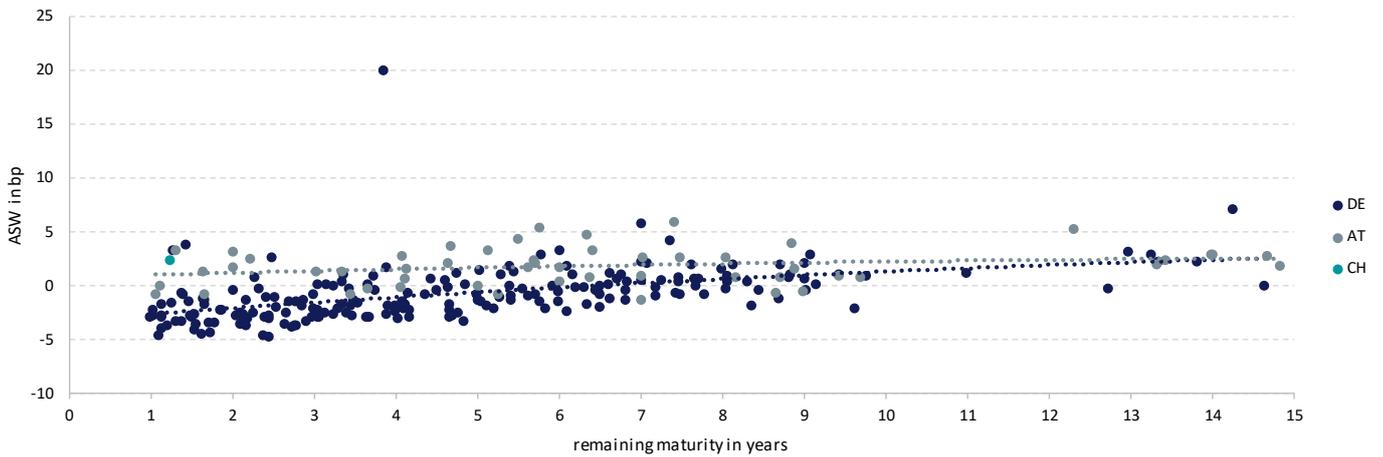


Order books (last 15 issues)

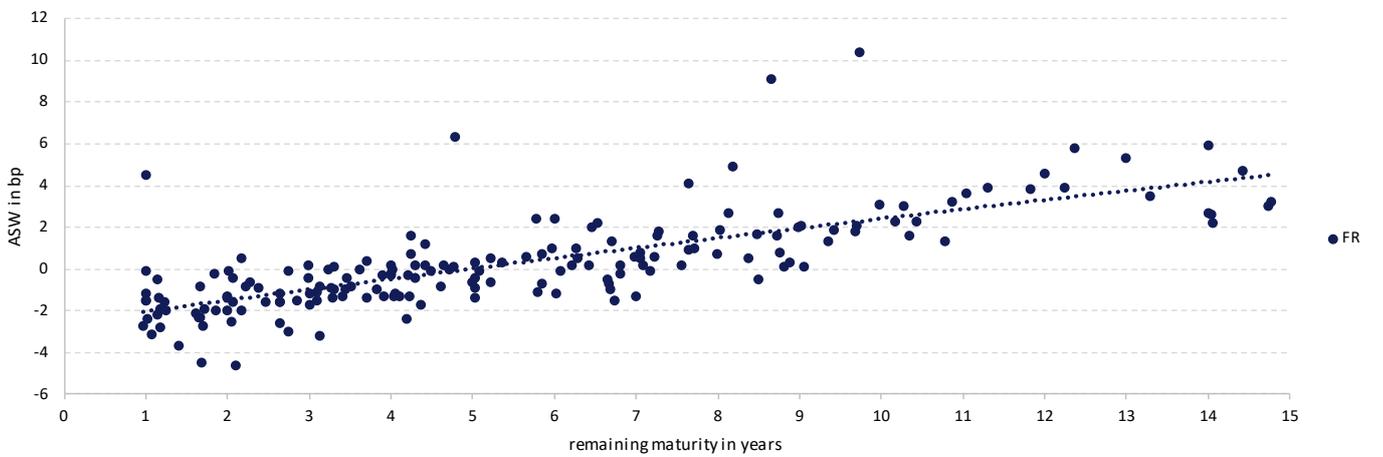


Spread overview¹

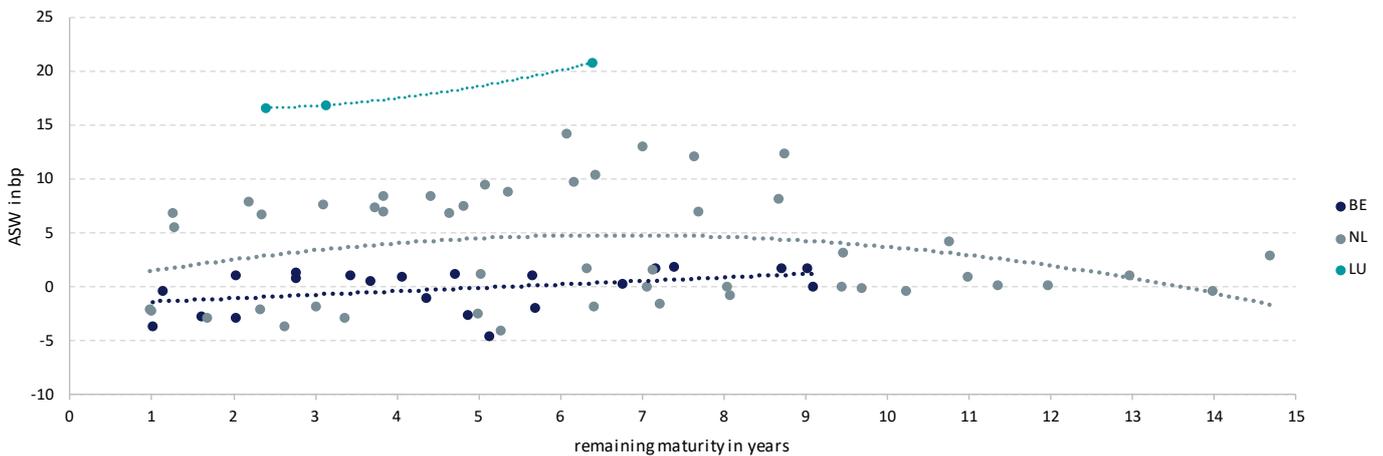
DACH 



France 

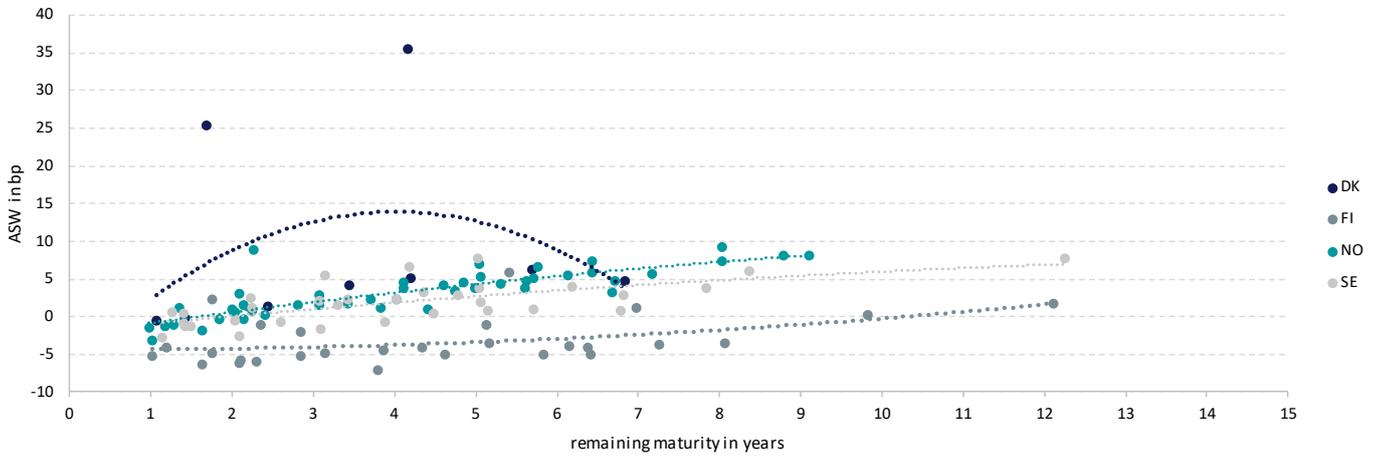


Benelux 

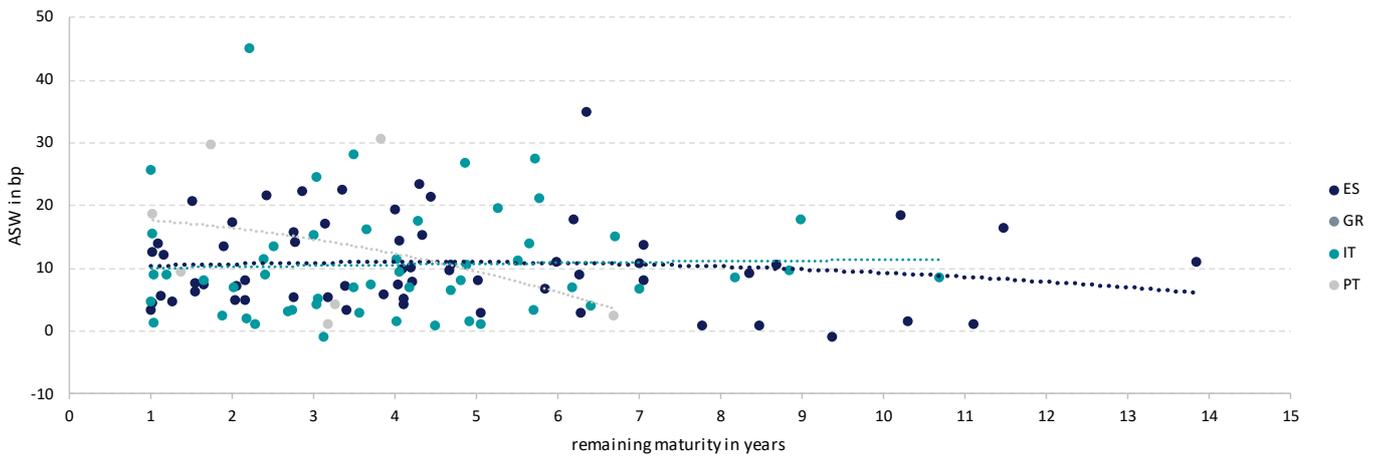


Source: Market data, Bloomberg, NORD/LB Markets Strategy & Floor Research ¹Time to maturity 1 ≤ y ≤ 15

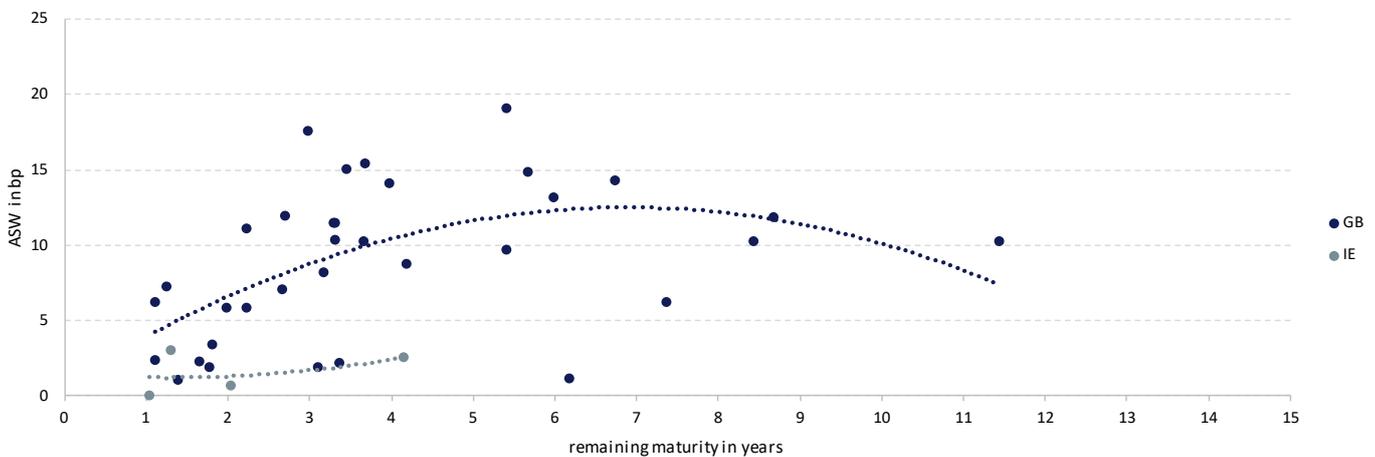
Nordics 🇩🇰 🇫🇮 🇳🇴 🇸🇪



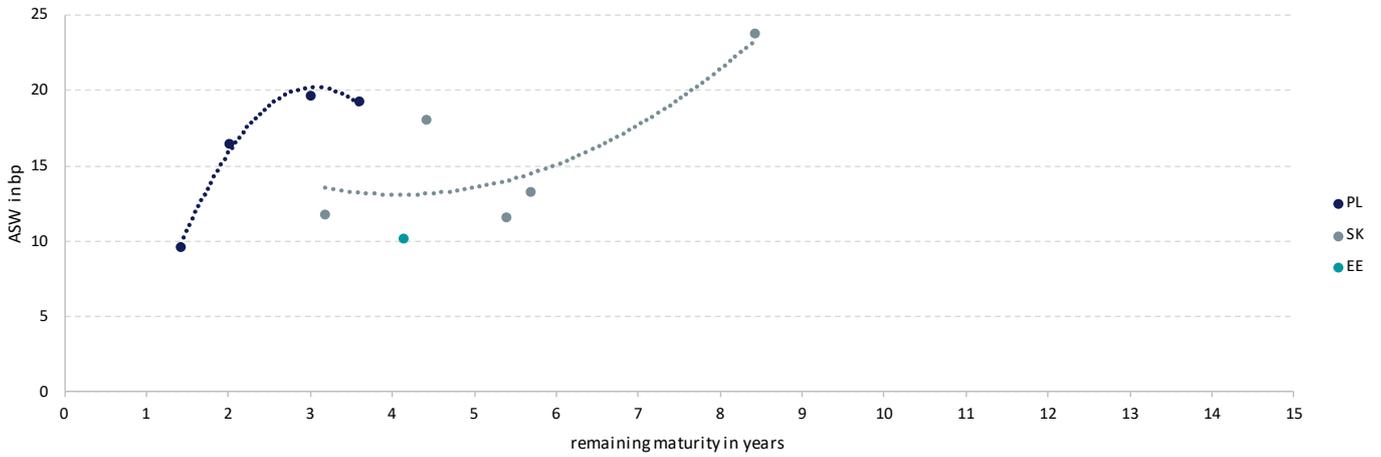
Southern Europe 🇪🇸 🇬🇷 🇮🇹 🇵🇹



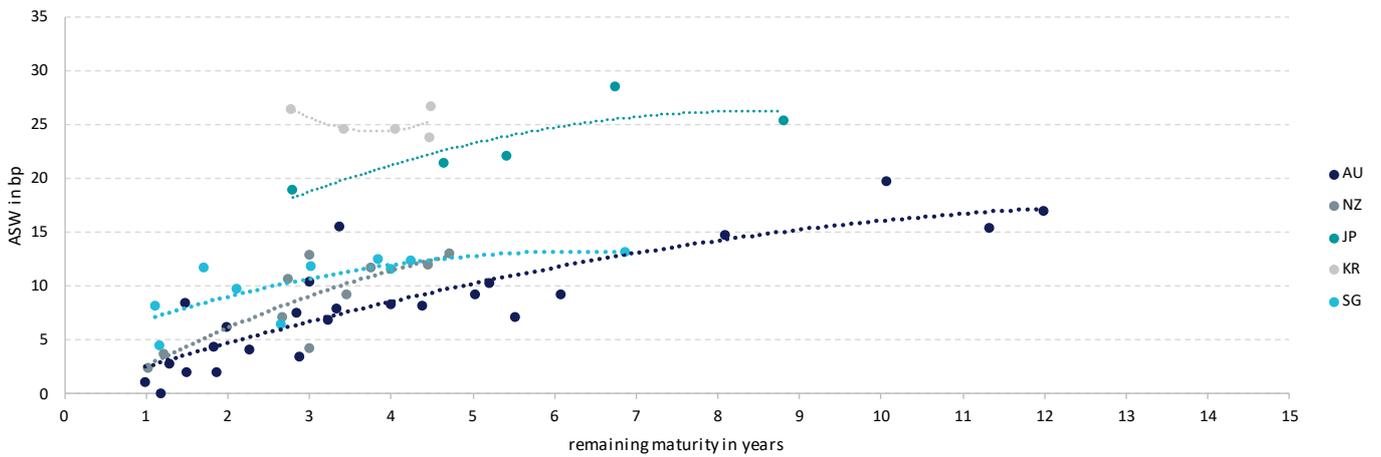
UK/IE 🇬🇧 🇮🇪



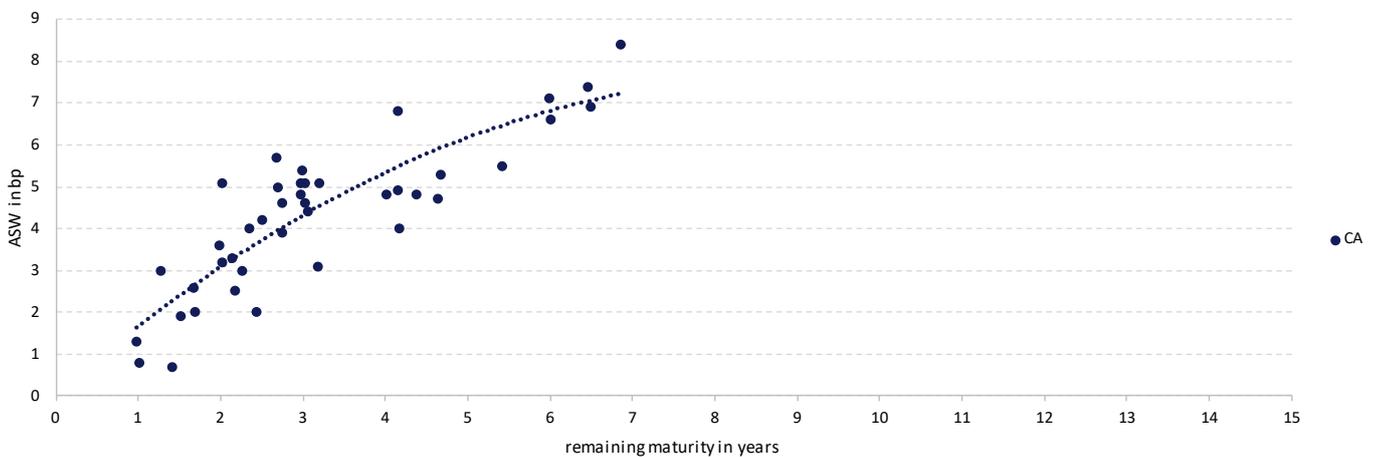
CEE 



APAC 



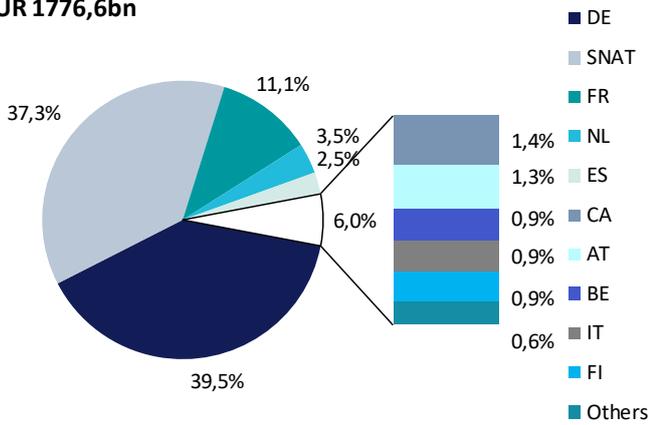
North America 



Charts & Figures SSA/Public Issuers

Outstanding volume (bmk)

EUR 1776,6bn



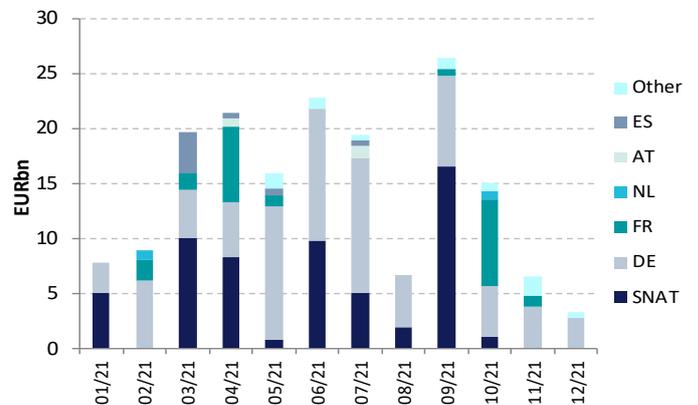
Top 10 countries (bmk)

Country	Vol. (€bn)	No. of bonds	ØVol. (€bn)	Vol. weight. ØMod. Dur.
DE	701,2	551	1,3	6,5
SNAT	663,6	175	3,8	7,8
FR	198,1	142	1,4	5,1
NL	62,4	64	1,0	6,5
ES	45,1	53	0,9	4,5
CA	25,0	18	1,4	5,6
AT	22,5	24	0,9	5,3
BE	16,3	19	0,9	14,1
IT	15,8	20	0,8	6,0
FI	15,5	20	0,8	5,9

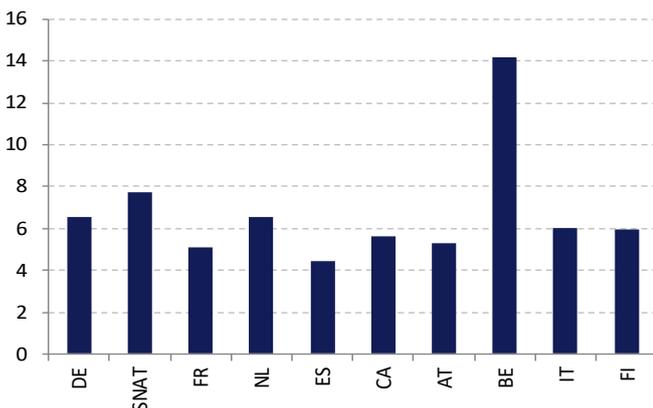
Issue volume by year (bmk)



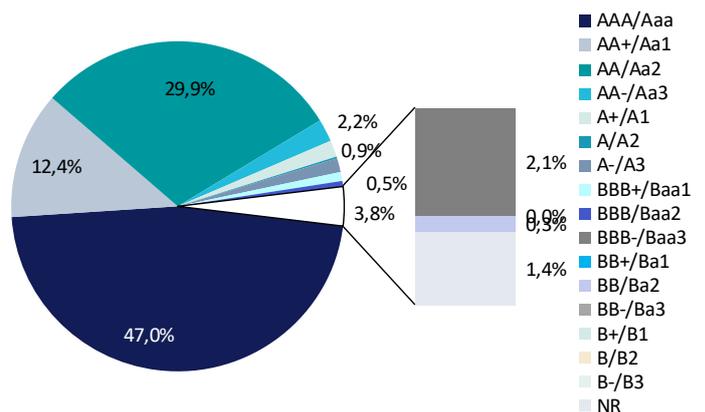
Maturities next 12 months (bmk)



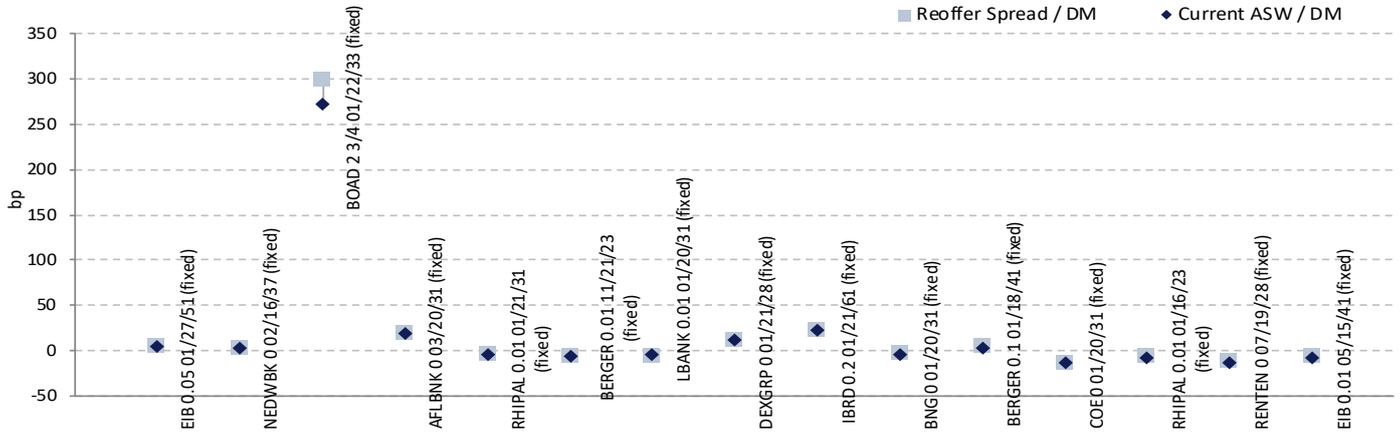
Avg. mod. duration by country (vol. weighted)



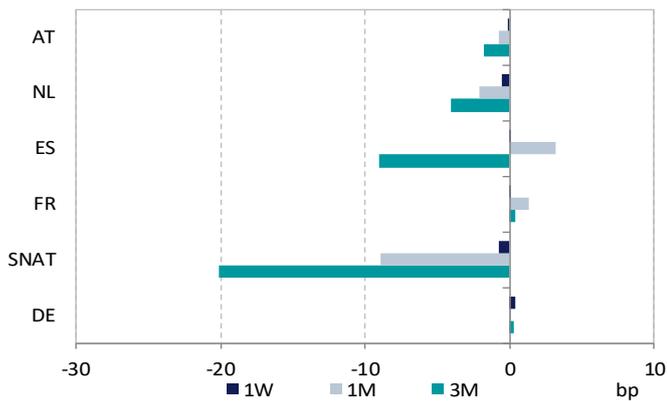
Rating distribution (vol. weighted)



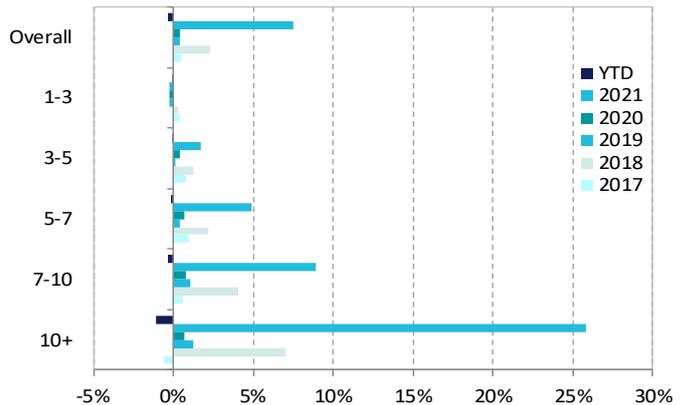
Spread development (last 15 issues)



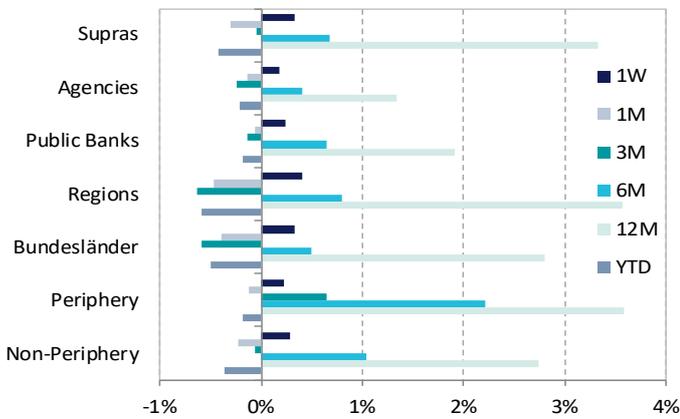
Spread development by country



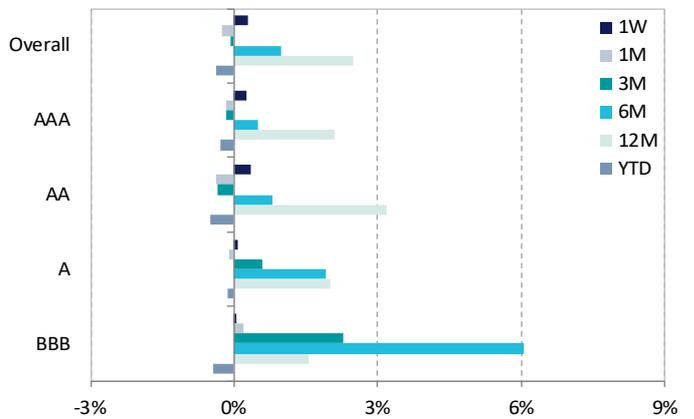
Performance (total return)



Performance (total return) by regions

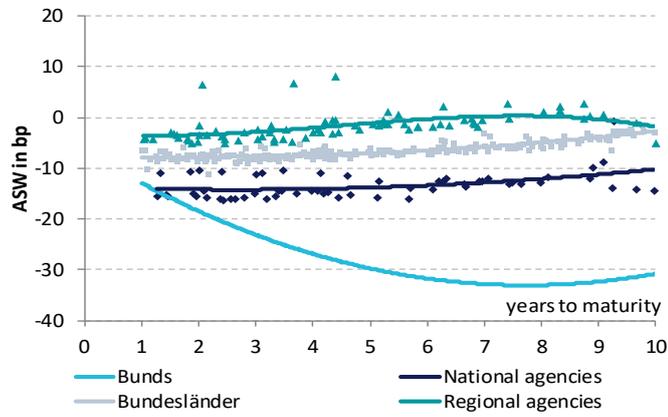


Performance (total return) by rating

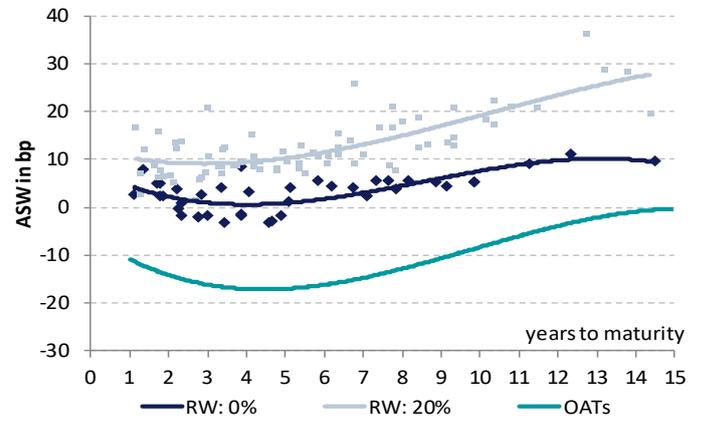


Source: Bloomberg, NORD/LB Markets Strategy & Floor Research

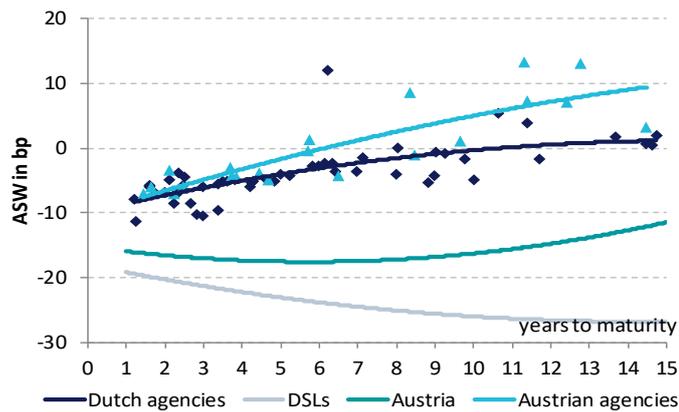
Germany (by segments)



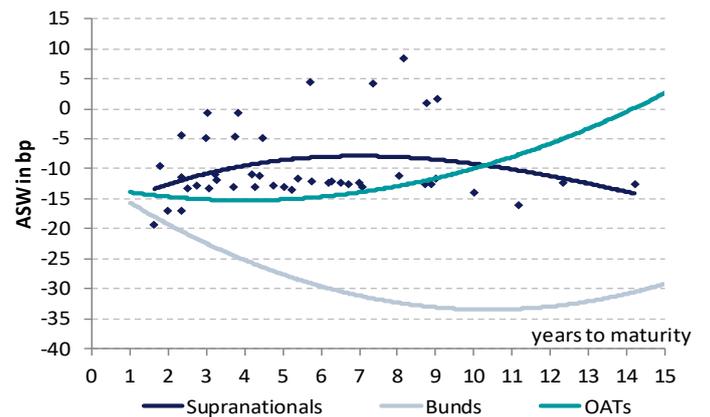
France (by risk weight)



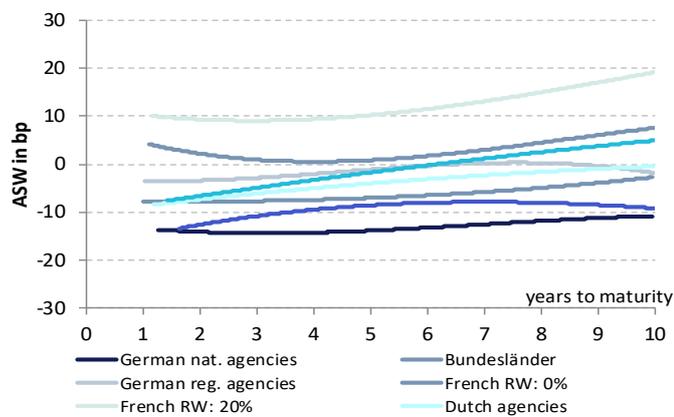
Netherlands & Austria



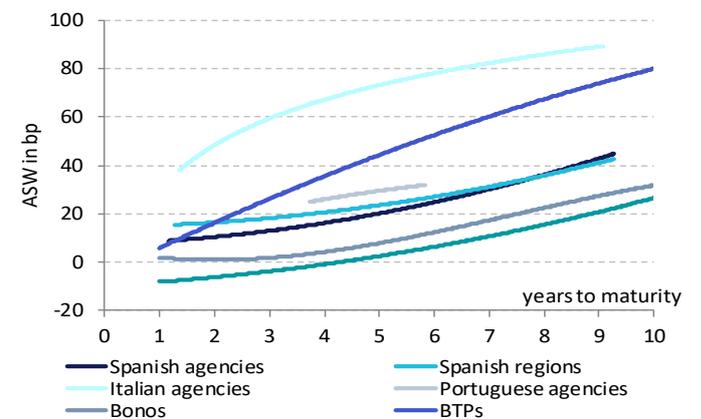
Suprationals



Core



Periphery



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

Appendix

Overview of latest Covered Bond & SSA View editions

Publication	Topics
01/2021 ♦ 13 January	<ul style="list-style-type: none"> EUR benchmark from the Czech Republic: Komerční Banka launches a new covered bond programme New covered bond programme from South Korea: Hana Bank Annual review of 2020 – covered bonds Annual review of 2020 – SSA
48/2020 ♦ 16 December	<ul style="list-style-type: none"> TLTRO III: ECB extends tender and also raises the threshold
47/2020 ♦ 09 December	<ul style="list-style-type: none"> Fourth and final round of PEPP reporting in 2020 Investment alternative: Paris metropolitan area (IDF and VDP)
46/2020 ♦ 02 December	<ul style="list-style-type: none"> The ECB ahead of its course-setting meeting for 2021 Covered Bonds – Outlook 2021: Waiting for the game changer? SSA – Outlook 2021: Coronavirus and ECB dominate public-sector segment
45/2020 ♦ 25 November	<ul style="list-style-type: none"> UOB ends the state of hibernation on Singapore’s primary market The covered bond universe of Moody’s: an overview Update: Belgium regions as investment alternatives
44/2020 ♦ 18 November	<ul style="list-style-type: none"> Primary market 2021: real prospect of Hungarian EUR benchmarks? German Pfandbrief savings banks in Q3 2020 Development of the German property market
43/2020 ♦ 11 November	<ul style="list-style-type: none"> Newcomer to the benchmark segment: HSBC Bank Canada sets sights on EUR debut OP Mortgage Bank: First green covered bond from Finland Transparency requirements §28 PfandBG Q3/2020
42/2020 ♦ 04 November	<ul style="list-style-type: none"> Covered Bond Framework and Liquidity Coverage Ratio: European Commission presents draft version of amendments to LCR regulation An overview of the Fitch covered bond universe
41/2020 ♦ 28 October	<ul style="list-style-type: none"> ECB: The year of the owl – review and outlook Yield developments on the covered bond market
40/2020 ♦ 21 October	<ul style="list-style-type: none"> German building societies: EUR benchmark debuts and requirements for investing in soft bullet bonds NPLs in cover pools – lack of unified approach at national level
39/2020 ♦ 14 October	<ul style="list-style-type: none"> Spain: Issuer consolidation ahead? PfandBG to include extendable maturity structures The EU has big plans – “SURE” and “Next Generation EU”
38/2020 ♦ 07 October	<ul style="list-style-type: none"> New issuer from Japan – Sumitomo Mitsui Trust Bank places inaugural EUR benchmark bond PEPP – taking stock six months on
37/2020 ♦ 30 September	<ul style="list-style-type: none"> Cover pool characteristics – international comparison
36/2020 ♦ 23 September	<ul style="list-style-type: none"> Bausparkasse Schwäbisch Hall plans inaugural EUR benchmark Update: Auckland Council – Investment alternative in Down Under
35/2020 ♦ 16 September	<ul style="list-style-type: none"> Moody’s covered bond universe: an overview Update Down Under: Victoria (TCV)

Appendix

Publication overview

Covered Bonds:

[Issuer Guide Covered Bonds 2020](#)

[Risk weights and LCR levels of covered bonds](#)

[Transparency requirements §28 PfandBG](#)

[Transparenzvorschrift §28 PfandBG Sparkassen \(German only\)](#)

SSA/Public Issuers:

[Issuer Guide – Supranationals & Agencies 2019](#)

[Issuer Guide – Canadian Provinces & Territories 2020](#)

[Issuer Guide – German Bundeslaender 2020](#)

[Issuer Guide – Down Under 2019](#)

Fixed Income:

[ESG update](#)

[Analysis of ESG reporting](#)

[ECB holds course, but ups the ante – PEPP running until 2022](#)

[ECB launches corona pandemic emergency](#)

[ECB responds to corona risks](#)

Appendix

Contacts at NORD/LB

Markets Strategy & Floor Research



Michael Schulz

Head
+49 511 361-5309
+49 172 740 4123
michael.schulz@nordlb.de



Dr Norman Rudschuck

SSA/Public Issuers
+49 511 361-6627
+49 152 090 24094
norman.rudschuck@nordlb.de



Melanie Kiene

Banks
+49 511 361-4108
+49 172 169 2633
melanie.kiene@nordlb.de



Henning Walten

Covered Bonds
+49 511 361-6379
+49 152 545 67178
henning.walten@nordlb.de



Dr Frederik Kunze

Covered Bonds
+49 511 361-5380
+49 172 354 8977
frederik.kunze@nordlb.de

Sales

Institutional Sales	+49 511 9818-9440
Sales Sparkassen & Regionalbanken	+49 511 9818-9400
Sales MM/FX	+49 511 9818-9460
Sales 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 9818-9550
Frequent Issuers	+49 511 9818-9640

Sales Wholesale Customers

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

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. This information also constitutes an investment recommendation or investment strategy recommendation within the meaning of Market Abuse Regulation (EU) No. 596/2014 and complies with the applicable provisions of this regulation and Delegated Regulation (EU) 2016/958 as well as the Securities Trading Act (see the supplementary details at the end of this information).

This information has been prepared by the Markets Strategy & Floor Research division, which is organisationally assigned to the Markets trading division within NORD/LB and which offers comprehensive securities services to the clients of the bank. Information may therefore be exchanged between the Floor Research and Trading divisions which may influence the content of this information. Against this background, the possibility cannot be ruled out that NORD/LB has its own holdings in the financial instruments described herein or in the issuers described herein and participates in the issue of such financial instruments as well as providing other services to such issuers or has other financial interests in these financial instruments or issuers. It also cannot be ruled out that the remuneration of the employees of the Markets Strategy & Floor Research division is indirectly linked to the overall performance of the Markets division, however, a direct linking of remuneration to transactions in investment services or trading fees is prohibited. Against this background, there are potential conflicts of interest that could fundamentally influence the objectivity of the recommendations contained herein.

NORD/LB has, however, taken extensive precautions to deal with potential conflicts of interest and to avoid them:

Arrangements for dealing with and avoiding conflicts of interest and for the confidential treatment of sensitive client and business data:

Business areas that may have regular access to sensitive and confidential information are classified as confidentiality areas by the Compliance Office and separated from other areas in terms of function, location and technical data processing measures. The trading division (Markets) is classified as such a confidentiality area. The exchange of information between individual confidentiality areas requires the approval of the Compliance Office.

The forwarding of confidential information which may have an impact on securities’ prices is monitored by the NORD/LB Compliance Office, which is independent of the trading, business and settlement departments. The Compliance Office can issue any trading prohibitions and restrictions which may be necessary to ensure that information which may have an influence on securities’ prices is not misused and to prevent confidential information from being passed on to areas which may only use publicly accessible information. Employees of the Markets Strategy & Floor Research unit are obliged to inform the Compliance Office of all transactions (including external) that they carry out for their own account or on behalf of a third party or in the interests of a third party. This will enable the Compliance Office to identify any unauthorised transactions by these employees.

Further information on this can be found in our Conflict of Interest Policy, which is available on request from the NORD/LB Compliance Office.

Supplementary important information:

This information and the details contained herein have been prepared and are provided for information purposes only. It is not intended to be an incentive for investment activities. It is provided for the personal information of the Recipient with the express understanding, acknowledged by the Recipient, that it does not constitute a direct or indirect offer, an individual recommendation, solicitation to buy, hold or sell, an invitation to subscribe 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. 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 expressed in the present Report (irrespective of whether such losses are incurred due to any negligence on the part of such 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 give 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 as 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 Singapore

This information is directed only at accredited investors or institutional investors under the Securities and Futures Act in Singapore. This information is intended for general distribution only. It does not constitute investment advice and does not take into account the specific investment objectives, financial situation or particular needs of the Recipient. It is recommended that advice be obtained from a financial adviser regarding the suitability of the investment product in light of the specific investment objectives, financial situation and special needs of the Recipient before agreeing to purchase the investment product.

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.

Additional information

Time of going to press: 20 January 2021 08:55h (CET)

Disclosure of possible conflicts of interest at NORD/LB in accordance with Section 85 (1) of the German Securities Trading Act (WpHG) in conjunction with Article 20 of the Market Abuse Regulation (EU) No. 596/2014 and Articles 5 and 6 of Regulation (EU) 2016/958.

None

Sources and price details

For the preparation of investment recommendations, we use issuer-specific financial data providers, our own estimates, company information and publicly available media. Unless otherwise stated in the information, price information refers to the closing price of the previous day. Fees and commissions are incurred in connection with securities (purchase, sale, custody), which reduce the return on the investment.

Basis of valuation and frequency of updates

For the preparation of investment recommendations, we use company-specific methods from fundamental securities' analysis, quantitative / statistical methods and models as well as from technical information processes. It should be noted that the results of the information are snapshots and past performance is not a reliable indicator of future returns. The basis of valuation may change at any time and in an unforeseeable manner, which may lead to divergent assessments. The recommendation horizon is 6 to 12 months. The above information is prepared on a weekly basis. Recipients have no right to publish updated information. For more detailed information on our assessment bases, check under: www.nordlb-pib.de/Bewertungsverfahren.

Recommendation system

Positive: Positive expectations for the issuer, a bond type or a bond placed by the issuer.

Neutral: Neutral expectations for the issuer, a bond type or a bond of the issuer.

Negative: Negative expectations for the issuer, a type of bond or a bond placed by the issuer.

Relative Value (RV): Relative recommendation to a market segment, an individual issuer or a range of maturities.

Breakdown of recommendations (12 months)

Positive: 36%

Neutral: 50%

Negative: 14%

Recommendation record (12 months)

For an overview of our overall pension recommendations for the past 12 months, please visit www.nordlb-pib.de/empfehlungsuebersicht_renten. The password is "renten/Liste3".

Issuer / security	Date	Recommendation	Bond type	Cause
-------------------	------	----------------	-----------	-------