

CHAPTER 5 - COVERED BOND STATISTICS

5.1 INTRODUCTION AND METHODOLOGY

By Joost Beaumont, Chairman of the ECBC Statistics & Data Working Group and ABN AMRO

The ECBC Statistics and Data Working Group has been collecting statistics on the outstanding volume and annual gross supply of covered bonds since 2003. The aim is to provide a complete and consistent set of numbers that can serve as a reliable source of data for interested parties, ranging from issuers to investors and regulators.

The collection of statistics is a significant undertaking each year, which is only possible thanks to the cooperation of the Working Group members, in close cooperation with covered bond issuers and banking associations. One representative per country (the list of country representatives can be found in the list of author section at the beginning of the Fact Book) undertakes the initial data collection by approaching each issuer separately in most countries. These figures are then cross checked on the basis of publicly available data by a small number of Working Group members. The 2022 numbers were cross checked by Florian Eichert and Francisco Florindo from Crédit Agricole, Agustin Martin and Pablo Rama from BBVA, Karsten Rühlmann from LBBW, Marta Ferro Teixeira from ABN AMRO, as well as myself. A special thanks also goes to the ECBC team for all their support during the exercise.

GENERAL REMARKS ON THE 2022 STATISTICS

The aim of the ECBC statistics is to provide the most reliable data on the size and issuance of covered bonds globally. As such, it paints as realistic a picture of developments and trends in the covered bond market. In 2016, a breakdown by maturity structures was added to the statistics, while in 2019, we started to collect statistics on sustainable covered bonds, reflecting their rising importance. Sustainable covered bonds include a formal commitment by the issuer to use the bonds' proceeds to (re)finance loans in clearly defined environmental, social, governance (ESG) or a combination of these (sustainable) or similar criteria. The data is based on self-certification by issuers. In coming years, we will try to further enhance the quality of these data, as we expect that the importance of sustainable covered bonds will continue to grow over time.

As always, we continue to try to improve the quality of the data even for previous years. It is always possible that we miss a bond or still include a bond that has been repaid early (just think of retained covered bonds). Wherever we realize that there was a mistake in last year's data we amend the numbers. As a result of this, there could be some slight differences between this year's numbers and those published in previous years.

Before going into the actual statistics, please find below some general remarks about the figures, which should help to interpret them correctly:

- > Covered bonds are divided into those denominated in euro, those in domestic currency (if not the euro), and those in a currency other than the euro and the domestic currency. The tables are all in euro, with the end-of-year exchange rates published by the European Central Bank used to convert all non-euro denominated figures into euro for the respective year. This adds an exchange rate component to the volumes of non-euro covered bond markets. However, the aim is to show volumes that allow a potential investor to get a feel for the relative size of the various countries rather than the funding volumes obtained by issuers, which typically are swapped back into their domestic currency at issuance.
- > Another breakdown is the public placement of covered bonds, which splits the bonds by their size (EUR1bn and above, EUR500m - below 1bn, below EUR 500m). This is to provide a feeling for how large liquid benchmark markets are relative to the overall market size. For non-euro issuance we have introduced waivers, as for example USD500m is a benchmark size in USD markets but when converting it to EUR would fall into the EUR<500m bucket. The amounts relevant for the three buckets are as follows.

AUD: AUD1bn, AUD500m, AUD<500m

USD: USD1bn, USD500m, USD<500m

GBP: GBP500m, GBP250m, GBP<250m

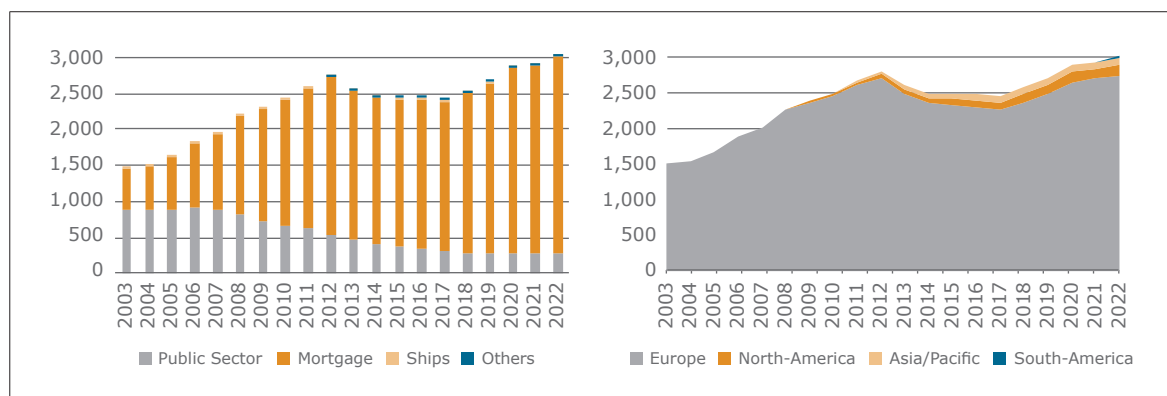
- > For the purpose of counting the number of issuers and of new issuers the following applies: 1) Issuers are entities with at least one outstanding covered bond at year-end. 2) Issuers with multiple programmes still only count as one. The only exception to this rule is French covered bonds. In case of France, the actual issuer is a specialised bank rather than the mother company. As a result, one mother company with two covered bond programmes also counts as two issuers as the issuance actually comes from two separate legal entities. 3) New issuers are entities with at least one outstanding covered bond at year-end, but with no outstanding covered bond at the prior year-end.
- > Spain: Spain's covered bond statistics are based on the data provided by Spain's AIAF (Asociación de Intermediarios de Activos Financieros). We have complemented this with registered unlisted covered bonds from the ECBC Covered Bond Label Database. The breakdown into public and private placements as well as the breakdown into fix and floating coupons in Spain is entirely based on non-AIAF sources.
- > Sweden: Sweden's covered bond statistics exclude retained transactions used for the purpose of accessing central bank liquidity, and include only converted bostadsobligationer (mortgage bonds) and säkerställda obligationer (covered bonds).

FACT BOOK VERSUS LABEL STATISTICS

We also like to highlight the relation between the Fact Book statistics and those published by the ECBC Covered Bond Label. The Label has become a widely used tool with 130 issuers disclosing information on 170 cover pools across 24 countries by 30 July 2023 and covers roughly EUR 2.1tn of covered bonds, i.e. around 70% of the total outstanding market. When comparing the Covered Bonds listed in the Label statistics to those presented in the Fact Book there might be some discrepancies, especially regarding public-private classification in Denmark and Sweden.

The reason for these discrepancies is the different market structure those two countries have where bonds are frequently tapped, repurchased and then tapped again. The Label as well, as the ECBC statistics definitions requires a bond to be listed and syndicated to be classified as public. Although Danish and Swedish covered bonds are listed, the way they are issued does not comply with the syndication requirement. In the ECBC statistics presented below, we try to capture the "liquid" part of the market with our classifications and in justified cases can be more flexible than the Covered Bond Label database. We have therefore tried to eliminate the differences between both data sets wherever possible. But we have granted Denmark and Sweden an exception and consider bonds that for the ECBC label database are classified as private as public as long as we are talking about liquid benchmarks by these two countries' standards.

> FIGURES 1-2: TOTAL OUTSTANDING COVERED BOND PER TYPE (LEFT) AS WELL AS REGION (RIGHT), EUR BN



Source: ECBC, ABN AMRO

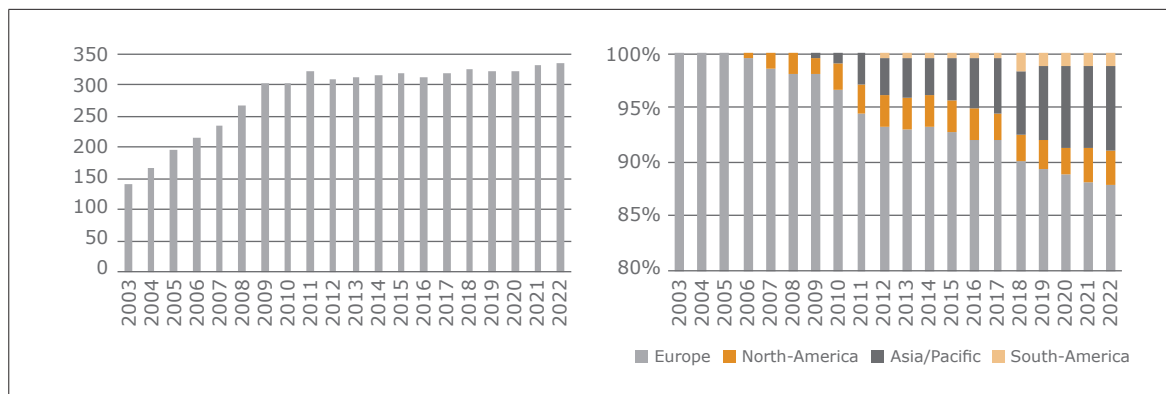
OUTSTANDING AMOUNT OF COVERED BONDS BROKE THROUGH EUR 3 TRILLION MARK

The outstanding amount of covered bonds reached another record in 2022, reflecting the large volume of new supply more than compensating for covered bonds that matured in 2022. The amount of outstanding covered bonds rose by EUR 90bn to EUR 3trn at the end of 2022. This was the fifth consecutive year of growth, and it was the first time ever that the covered bond market reached the EUR 3trn mark. Moreover, the pace of growth in the amount of outstanding covered bonds also picked up last year, almost tripling from 1.1% in 2021 to 3.1% in 2022. In contrast to 2021, the increase in 2022 only stemmed from a rise in outstanding amounts of mortgage covered bonds, as the outstanding amounts of public sector and ship covered bonds declined. The trend of declining privately placed covered bonds (which includes retained covered bonds) and rising publicly placed covered bonds continued in 2022. This is largely because banks need to rely more on capital market funding, as they had to start paying back attractive loans offered by central banks after the outbreak of COVID-19 in 2020. Another observation (see also below) is that covered bonds continued to broaden their global footprint, as the share of outstanding covered bonds outside Europe increased last year. As such, the figures once more underline the growing importance of covered bonds as bank funding tool, not only in Europe but across the globe.

The breakdown by collateral type shows that only mortgage covered bonds contributed to the rise in total volume outstanding. The nominal amount of mortgage covered bonds rose by EUR 154bn to EUR 2.7trn (+6%), while the volume of outstanding public sector covered bonds dropped by EUR 9bn to EUR 277bn (-3.3%). The amount of ship covered bonds declined by EUR 0.5bn and the 'other' category by EUR 1.2bn. As a result, the outstanding amount of mortgage covered bonds reached a new record in 2022, whereas the opposite holds for public sector covered bonds (which posted a record low in 2022). The share of mortgage covered bonds in the total amount of outstanding covered bonds jumped to 90.4% (2021: 87.9%), followed by public sector covered bonds (9.2%), and those backed by ships/other assets (both around 0.3%). Finally, the share of sustainable covered bonds rose further to 2.6% of the total, up from 1.8% in 2021.

At the end of 2022, 334 covered bond issuers were active around the globe, of which 65 also issue sustainable covered bonds. The number of issuers rose slightly last year, which is the balance between issuers leaving the market (mainly due to mergers and take-overs) and new issuers joining the market. Last year, 10 new issuers entered the covered bond market, while the number of sustainable covered bond issuers increased by even 15. Meanwhile, the total number of countries with outstanding covered bonds remained at 34 at the end of 2022, a similar number as in previous years, but up from 14 almost 20 years ago. The regional breakdown shows that the majority (88%) of all issuers are located in Europe, but that this share is gradually declining. Indeed, the share of issuers from Asia/Pacific rose to 7.6% last year, up from 5% five years ago. The share of North America rose 3%, up from 2.5% in 2021, 1%, while that of South America remained roughly stable at 1.2%. The rising share of covered bond issuers outside Europe was also mirrored by an increase in the share they have in the total amount of outstanding covered bonds, which was almost 10% in 2022, compared to 7% in 2017. Finally, there were 446 covered bond programmes at the end of the year, as some issuers have public sector as well as mortgage covered bond programmes while some are using multiple mortgage backed ones.

> FIGURES 3-4: NUMBER OF COVERED BOND ISSUERS (LEFT) AND THEIR REGIONAL SHARE (RIGHT)



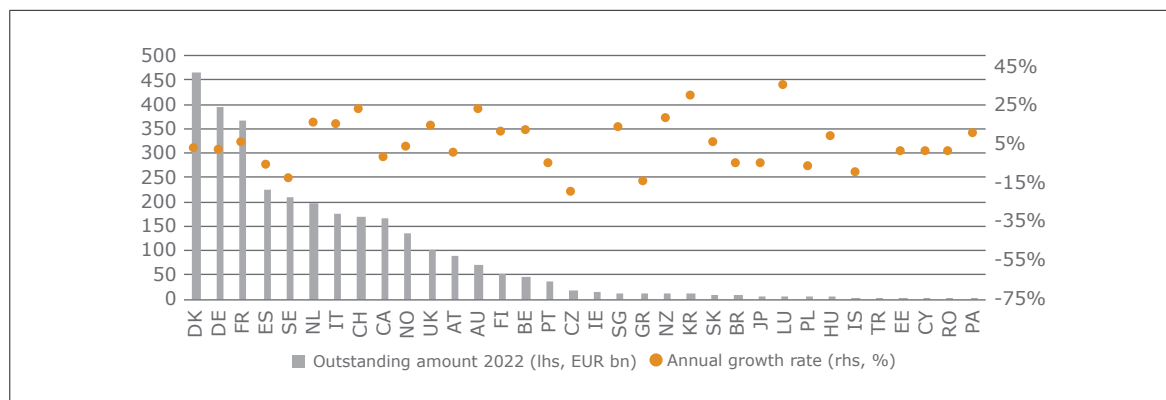
Source: ECBC, ABN AMRO

A breakdown by country shows that 13 countries had less covered bonds outstanding at the end of 2022 compared to 2021, although their decline was more than compensated for by the 14 countries that saw an increase in the outstanding amount of covered bonds.

Zooming in on specific countries shows that the volume of outstanding covered bonds rose by more than EUR 10bn in Australia, Austria, France, the Netherlands, and Switzerland, with Canada leading the ranks with an EUR 30bn rise. However, this compensated for the sharp drop that Canada recorded in 2021. In 2022, the Spanish and Swedish covered bond markets shrank the most in nominal terms, by EUR 34bn and EUR 17bn, respectively. This did not prevent Sweden from taking over Spain the league tables, with Sweden moving up to rank four and Spain dropping to the 5th place.

The top three of countries ranked by size did not change in 2022, with Denmark (EUR 463bn) still taking the top spot, followed by Germany (EUR 394bn) and France (EUR 368bn). Although the top ten countries remained the same as well, there were some switches in rank. Besides Sweden and Spain switching ranks, Italy lost two places, falling from rank seven to rank nine, while Switzerland moved up one rank to the 7th place and Canada moved up to the 8th rank.

> FIGURE 5: TOTAL AMOUNT OF OUTSTANDING COVERED BONDS BY COUNTRY AND ANNUAL CHANGE



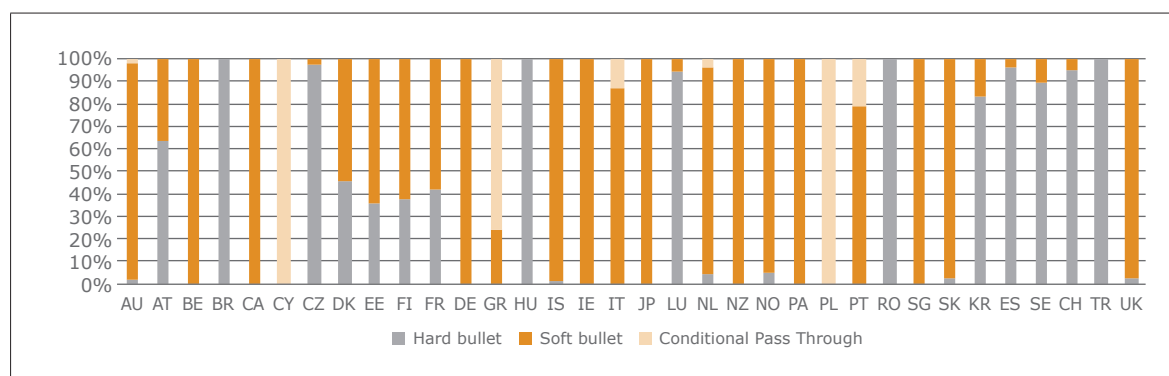
Source: ECBC, ABN AMRO (growth rate of Brazil is 112%, not shown in graph)

SOFT BULLETS STRENGTHEN DOMINANCE

One of the biggest changes in the statistics in the past few years was the increasing dominance of soft bullet covered bonds, a trend that was further supported by the implementation of the Covered Bond Directive, which has resulted in more and more countries allowing (and issuers using) the structure. In terms of amounts outstanding, soft bullet covered bonds recorded an increase by EUR 201bn in 2022, while hard bullet covered bonds and conditional pass-through covered bonds posted declines of EUR 86bn and EUR 25bn, respectively. Consequently, the share of soft bullets rose to 62% of all outstanding covered bonds (was 57% in 2021). The share of hard bullet covered bonds dropped to 36% (was 40%) and that of conditional pass-through covered bonds to 1.7%. This compared to a 3% share two years ago and largely reflects that all Dutch conditional pass-through covered bond issuers have shifted towards soft bullet structures.

The graph below shows that in seven countries, hard bullet structures are still at least 95% of the outstanding amount of covered bonds, while this is in 13 countries the case for soft bullet covered bonds. With an increasing number of countries allowing for soft bullet covered bonds, its share is likely to rise further in the coming years.

> FIGURE 6: OUTSTANDING COVERED BONDS BY MATURITY AND COUNTRY (%)

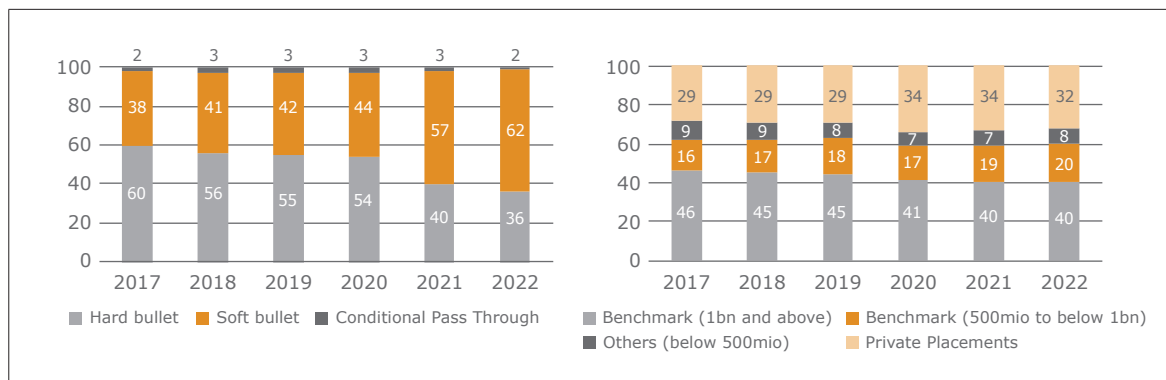


Source: ECBC, ABN AMRO

MORE PUBLICLY PLACED COVERED BONDS

The breakdown by public and private placements (also see above) shows that the share of private placements (PPs) continued reduced in 2022, after PPs had increased their share in the past two years. This was largely due to banks issuing retained covered bonds that they pledged as collateral against attractive central bank funding offered after the Covid-19 outbreak in 2020. However, banks now need to repay these loans in the coming years (starting already in 2022). As a result, they are likely to issue less retained covered bonds, while increasing public placements. This is what happened in 2022, as the amount of outstanding PPs dropped by EUR 10bn to EUR 976bn, while the amount of publicly placed covered bonds increased by almost EUR 100bn to EUR 2trn. 40% of these are covered bonds with a size of at least EUR 1bn and 20% has a size between EUR 500mn and below EUR 1bn. The latter category posted the strongest increase (+45bn). Given that banks will need to repay larger amounts to central banks this, and the coming, years, will probably further support publicly placed covered bonds, which in turn will be good for liquidity in the covered bond market.

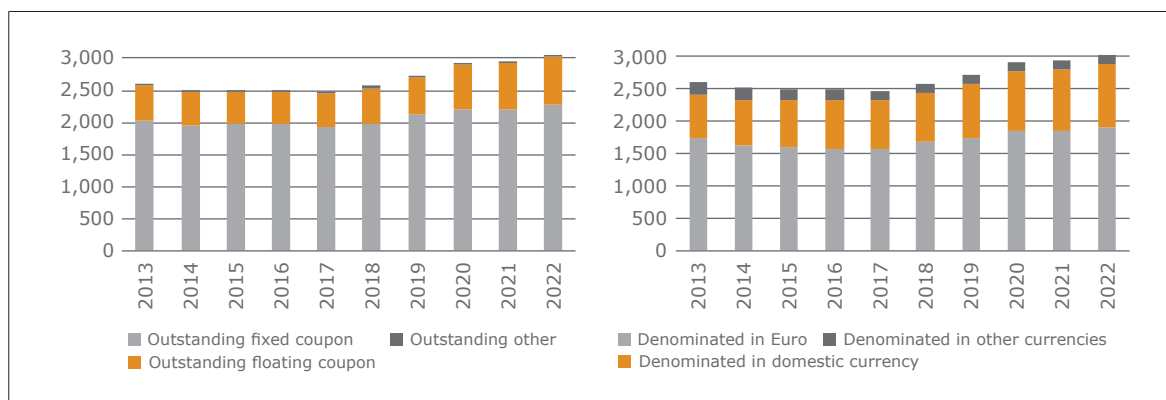
> FIGURES 7-8: OUTSTANDING COVERED BONDS BY STRUCTURE (LEFT) AND ISSUE TYPE (RIGHT)



Source: ECB, ABN AMRO

The breakdown of outstanding covered bonds by coupon type as well as by currency type again remained fairly stable in 2022, with the share of floating rate covered bonds slightly declining, likely due to the lower amount of outstanding PPs as most retained covered bonds have floating rate coupons. The fixed rate coupon remained the standard (76%), reflecting that almost all publicly placed benchmark covered bonds in EUR have a fixed coupon. Meanwhile, the euro remains the dominant currency (share of 63% in the total), followed by domestic currencies (32%). Interesting to note is that outstanding amount of covered bonds denominated in other currencies (so not in euro or in an issuer's domestic currency if not the euro) grew by 14% in 2022, with its share now being around 5% of the total (which was 4.3% two years ago). This means that issuers increasingly enter other markets than their domestic markets (either being the euro market or another market), which illustrates that the covered bond market increasingly is becoming a more global market.

> FIGURES 9-10: OUTSTANDING COVERED BONDS BY COUPON TYPE (LEFT) AND CURRENCY (RIGHT), EUR BN



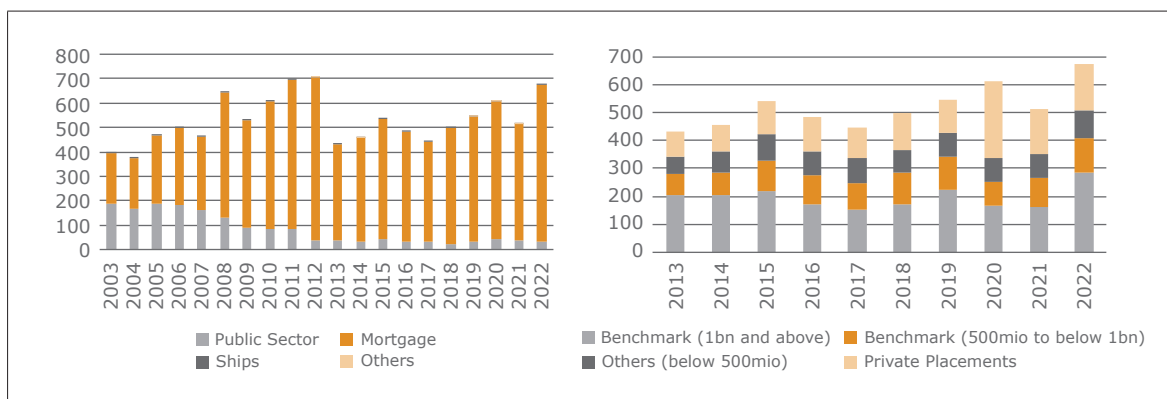
Source: ECBC, ABN AMRO

NEW ISSUANCE JUMPED IN 2022

New issuance of covered bonds soared in 2022, reaching a total volume of EUR 673bn. This was not only a 31% increase compared to issuance in 2021, but was also the third-largest amount of new issuance seen since the series started. Only in 2011 and 2012 new issuance was higher than last year. This, in turn, again reflects the fact that banks had to start increasingly relying on wholesale market funding, as they had to start paying back large amounts borrowed at central banks. Meanwhile, conditions in the covered bond market remained relatively favourable last year following heightened market turbulence due to the Ukraine war as well as central banks aggressively hiking policy rates. Issuance of retained covered bonds remained roughly stable in 2022, while publicly placed covered bonds jumped by EUR 157bn to EUR 507bn, and covered bonds with a minimum amount of EUR 1bn posted a particularly strong rise.

A breakdown by types of covered bonds mirrored developments in outstanding covered bonds, as only issuance of mortgage covered bonds increased in 2022, which was likely triggered by ongoing strong growth in mortgage lending. Issuance of mortgage covered bonds rose by EUR 166bn to EUR 638bn, while issuance of public sector covered bonds dropped by roughly EUR 6bn to EUR 34bn. As a result, the share of mortgage covered bonds rose to 95% (was 92%) of total issuance, with that of public sector covered bonds declining to 5% (was still almost 8% in 2021).

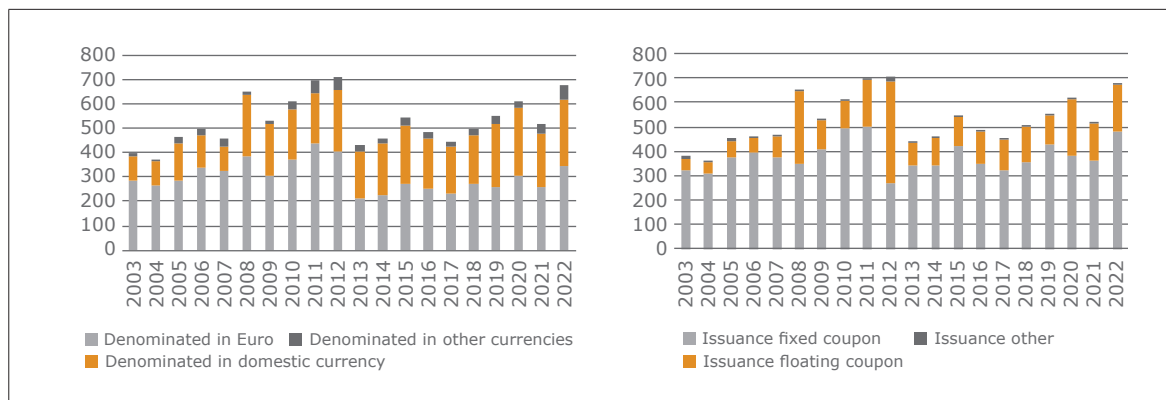
> FIGURES 11-12: NEW ISSUANCE OF COVERED BONDS BY TYPE (LEFT) AND SIZE (RIGHT), EUR BN



Source: ECBC, ABN AMRO

A breakdown of issuance by currency shows that the euro market increased the most in 2022 in nominal terms (+90bn), while issuers issued EUR 51bn more in their domestic currencies than in 2021. In relative terms, the 43% growth in issuance of covered bonds in other currencies was the largest. Indeed, their share in total issuance was 8.5% last year, while this was 4.4% in 2020. As said above, this seems to reflect that issuers increasingly use covered bonds as a funding tool across currencies rather than sticking to euros or domestic currencies. This is especially true for Canadian and Australian issuers, which saw a rise in issuance in other currencies of around EUR 18bn and EUR 7bn, respectively. Meanwhile, the share of issuance of floating rate covered bonds continued to drop in 2022. Its share fell to 28% in 2022, down from 30% in 2021 and 38% in 2020. This mirrors reduced issuance of private placements and lesser reliance on central bank borrowings. The share of fixed rate covered bonds rose to 72% last year, up from 62% two years ago and mirroring the jump in public sector (and euro-denominated) covered bonds.

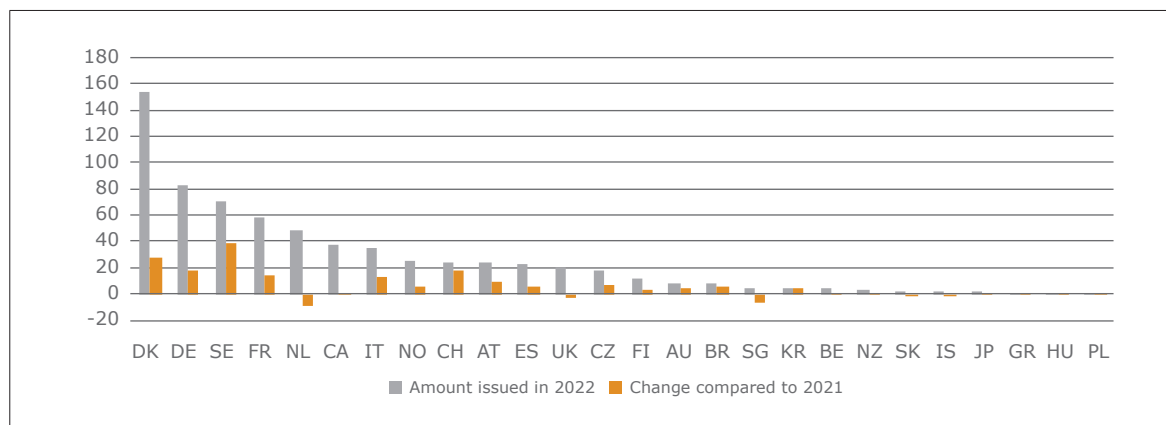
> FIGURES 13-14: ISSUANCE OF COVERED BONDS BY CURRENCY (LEFT) AND COUPON TYPE (RIGHT), EUR BN



Source: ECBC, ABN AMRO

A country breakdown reveals that Denmark also kept its leading position in terms of new issuance, with issuance in 2022 (EUR 153bn) some EUR 125bn above that seen in 2021. The country that posted the largest move within the top 10 issuance countries was Canada. After it dropped four places in 2021, it regained three places, to end third behind Denmark and Germany. The Netherlands and Sweden dropped one place, while Norway, Switzerland, Australia, and Spain, all moved up one place. The latter two even entered the top 10 at the expense of Austria and Italy, which just dropped out of the top 10. The country that gained most places was Portugal, but this was also because it did not issue any covered bond in 2021. It is now at place 18.

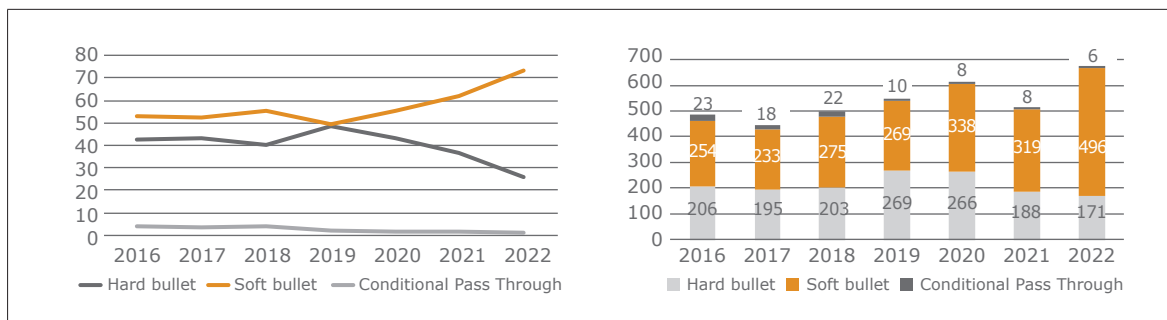
> FIGURE 15: COVERED BOND NEW ISSUANCE BY COUNTRY AS WELL AS CHANGE VERSUS 2021



Source: ECBC, ABN AMRO

The new issuance data also shows that the share of soft bullet covered bond issuance is ever increasing. They had a share of more than 70% in total new issuance, which compares to a share of 53% in 2016. In contrast, hard bullet covered bonds and conditional pass-through covered bonds recorded a further decline in total issuance, to 25% and 0.9%, respectively. Looking forward, it is likely that the share of soft bullet covered bonds will continue to rise in the coming years now that most countries allow for extendable maturity structures following the transposition of the Covered Bond Directive. Meanwhile, the share of CPT covered bonds is likely to drop, given that many CPT issuers have shifted to soft bullets. As such, soft bullet covered bonds have gradually become the standard in the covered bond market.

> FIGURES 16-17: SHARE OF COVERED BONDS ISSUANCE BY MATURITY TYPE (LEFT, % IN TOTAL; RIGHT, EUR BN)



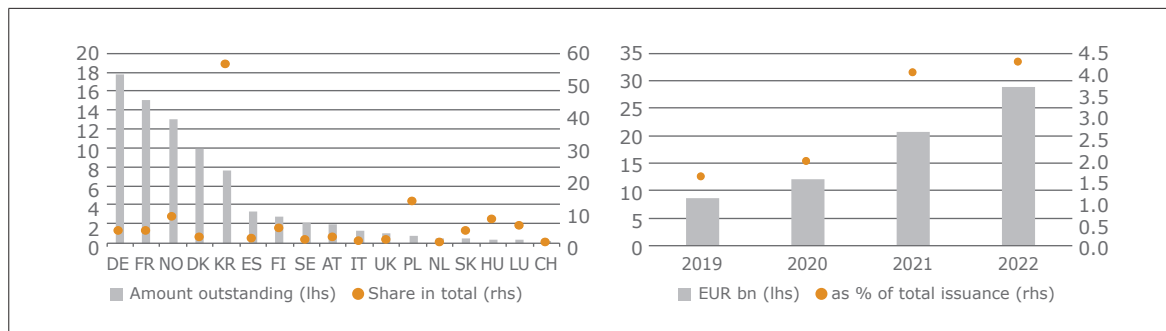
Source: ECBC, ABN AMRO

SUSTAINABLE COVERED BONDS INCREASED THEIR FOOTPRINT

The market for sustainable covered bonds, i.e. covered bonds that have a green or social angle, has been steadily growing since the first sustainable covered bond was issued in 2014. As a result of their increasing relevance and the role that they can play in financing part of the energy transition, we decided to start collecting data about sustainable covered bonds in 2019. The volume of outstanding sustainable covered bonds quadrupled since 2019. Last year, the total amount of sustainable covered bonds increased by EUR 24bn to EUR 78bn in 2022 (was still only EUR 20bn in 2019). This translates into an annual growth rate of 44%. The share of sustainable covered bond is almost 3% of total covered bonds outstanding, underlining that the market is still relatively small, despite growing rapidly. In 2022, more issuers started to issue sustainable covered bonds, as we counted 15 new sustainable issuers. Last year, it was the first time that issuers from the Netherlands and Slovakia joined the market. Overall, issuers from 17 countries were active in the sustainable covered bond market by the end of 2022. In terms of amounts outstanding, Germany, France, and Norway remained the countries with the largest volumes of sustainable covered bonds, while Korea had the highest share of sustainable covered bonds versus the total market size. In fact, all covered bonds that were issued out of the country last year were in sustainable format.

Issuance of sustainable covered bonds also picked up noticeably last year, as EUR 29bn of sustainable covered bonds were issued in 2022 compared to EUR 21bn in 2021 and EUR 9bn in 2019. The share of sustainable covered bond in total issuance grew to 4.3% last year, up from 4% in 2021 and 2% in 2020. This is promising, especially when taking into account the large volume of issuance in 2022. Looking forward, we expect this market to continue to grow, as financial markets will likely play an increasingly important role in financing the energy transition.

> FIGURES 18-19: BREAKDOWN OF SUSTAINABLE COVERED BONDS OUTSTANDING (LEFT) AND NEW ISSUANCE (RIGHT) (EUR BN AND % MARKET SHARE)



Source: ECBC, ABN AMRO

DEVELOPMENTS IN 2023: ANOTHER YEAR OF STRONG ISSUANCE

While 2022 already set a new record in terms of new issuance for euro benchmark covered bonds, issuance was even higher in the first half of 2023. Favourable market conditions, repayments of central bank borrowings, and the end of covered bond purchases of the Eurosystem since July, were all factors supporting new supply of covered bonds. As new supply has far exceeded redemptions, net supply is likely to be again strongly positive this year. Meanwhile, issuance in other currencies has been rather resilient as well, with the GBP market being particularly active. Overall, it seems that the market is on track to beat this year's total outstanding volume once again, although repayments of central bank loans will also result in lower amounts of retained covered bond. As such, next year's statistics exercise will be another exiting one.



5.2 STATISTICS

5.2.1 TOTAL

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total CB Outstanding										
Public Sector	464,761	408,617	371,530	335,525	312,458	294,007	282,709	285,328	285,990	276,547
Mortgage	2,058,196	2,019,573	2,048,431	2,079,890	2,077,982	2,213,271	2,354,946	2,552,136	2,583,427	2,736,958
Ships	11,306	9,824	10,379	8,295	7,367	6,524	8,814	7,892	8,198	7,707
Others	506	1,006	1,006	1,006	505	505	1,500	7,697	8,822	7,605
Total Outstanding	2,607,784	2,507,915	2,499,031	2,491,304	2,460,601	2,576,909	2,707,839	2,908,877	2,939,580	3,028,817
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	19,674	31,797	54,150	78,383
Public Placements										
Benchmark (1bn and above)	1,302,543	1,239,657	1,203,034	1,174,136	1,139,513	1,163,672	1,209,209	1,198,991	1,182,513	1,214,082
Benchmark (500mio to below 1bn)	232,511	289,337	356,990	385,000	395,844	446,008	491,996	507,218	565,565	610,769
Others (below 500Mio)	335,427	272,288	244,317	231,165	219,442	223,951	216,187	216,347	205,568	228,186
Private Placements	737,303	706,634	694,688	701,003	705,802	743,279	790,447	986,323	985,936	975,780
Total	2,607,783	2,507,916	2,499,030	2,491,304	2,460,601	2,576,911	2,707,839	2,908,879	2,939,580	3,028,817
Denominated in EURO	1,743,184	1,630,760	1,592,989	1,580,921	1,578,519	1,673,721	1,740,274	1,841,579	1,856,110	1,906,038
Denominated in domestic currency	671,345	682,550	719,529	740,994	744,982	776,216	833,668	941,393	953,435	973,965
Denominated in other currencies	193,254	194,606	186,513	169,388	137,099	126,973	133,897	125,906	130,035	148,814
Total	2,607,784	2,507,915	2,499,031	2,491,304	2,460,600	2,576,911	2,707,839	2,908,878	2,939,580	3,028,816
Hard Bullet	n.a.	n.a.	n.a.	1,563,697	1,470,119	1,446,146	1,477,159	1,557,164	1,173,325	1,086,297
Soft Bullet	n.a.	n.a.	n.a.	875,176	929,033	1,052,425	1,149,151	1,271,938	1,688,659	1,889,864
Conditional Pass Through	n.a.	n.a.	n.a.	52,431	61,448	78,339	81,530	79,776	77,596	52,656
Total	2,607,783	2,507,916	2,499,030	2,491,304	2,460,600	2,576,911	2,707,840	2,908,878	2,939,580	3,028,817
Outstanding fixed coupon	2,022,352	1,944,713	1,985,153	1,967,187	1,926,775	1,984,668	2,116,694	2,200,314	2,192,370	2,286,229
Outstanding floating coupon	548,442	534,912	493,133	496,811	515,098	547,978	572,918	696,787	734,097	725,805
Outstanding other	36,989	28,291	20,745	27,306	18,228	44,266	18,228	11,776	13,113	16,783
Total	2,607,783	2,507,916	2,499,031	2,491,304	2,460,601	2,576,913	2,707,840	2,908,877	2,939,580	3,028,816
Number of Programmes	412	422	436	427	427	440	447	448	454	446
Number of Issuers	311	314	317	311	318	325	329	330	332	334
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	23	30	50	65
Issuance (in EUR million)										
Total CB Issuance										
Public Sector	36,096	34,537	43,486	33,554	30,510	23,841	32,179	42,418	40,189	34,141
Mortgage	395,348	421,705	493,214	449,384	412,580	475,057	510,880	562,341	471,718	637,533
Ships	761	1,319	3,163	883	2,524	1,193	3,473	1,492	1,794	1,751
Others	-	500	-	-	-	-	1,500	6,197	880	-
Total Issuance	432,205	458,061	539,863	483,821	445,614	500,092	548,032	612,448	514,580	673,426
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	500	8,754	12,028	20,692	28,784
Public Placements										
Benchmark (1bn and above)	204,900	202,950	217,361	173,759	153,174	171,719	224,614	168,756	162,246	287,010
Benchmark (500mio to below 1bn)	74,031	81,969	110,252	101,371	93,021	114,846	118,650	83,953	103,319	121,196
Others (below 500Mio)	62,678	76,357	96,787	84,188	91,636	79,838	86,251	84,214	84,059	98,382
Private Placements	90,594	94,838	115,465	124,505	107,783	133,689	118,516	275,524	164,955	166,838
Total	432,204	456,114	539,864	483,822	445,614	500,092	547,832	612,448	514,579	673,425
Denominated in EURO	213,868	227,734	275,003	252,062	235,355	271,813	257,712	303,679	255,958	346,018
Denominated in domestic currency	188,399	207,133	232,050	202,150	186,637	201,570	259,621	281,684	218,725	270,176
Denominated in other currencies	29,937	23,193	32,811	29,609	23,622	26,707	30,700	27,084	39,897	57,232
Total	432,205	458,060	539,864	483,821	445,614	500,091	547,832	612,448	514,579	673,426
Hard Bullet	n.a.	n.a.	174,045	206,369	194,598	202,903	269,200	265,833	187,536	171,086
Soft Bullet	n.a.	n.a.	59,810	254,023	233,403	275,420	268,613	338,406	319,340	496,262
Conditional Pass Through	n.a.	n.a.	6,201	23,429	17,613	21,688	10,219	8,209	7,704	6,077
Total	432,205	458,060	539,864	483,821	445,614	500,012	547,832	612,448	514,580	673,425
Issuance fixed coupon	339,953	339,104	421,494	349,268	323,802	353,880	426,544	379,799	359,195	481,877
Issuance floating coupon	91,461	117,878	117,198	133,323	120,841	144,230	121,065	232,338	155,190	187,950
Issuance other	790	1,079	1,171	1,231	971	1,980	422	311	194	3,599
Total	432,205	458,061	539,863	483,822	445,614	500,091	547,832	612,448	514,580	673,426
Number of New Issuers	8	9	14	8	14	16	14	12	10	10
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	9	7	21	14

Note: Please note that a few changes were undertaken in 2013 to the way data is grouped and shown. These changes impact the figures from 2012 onwards. A number of them, especially the size and placement type category changes, are substantial to how data is displayed. Backdating data to fit the new categories and maintaining consistent data history for previous years is a major challenge. Therefore, there is a full dataset going back to 2003 for some countries while there is only data from 2012 going forward for others. Consequently, on the aggregate covered bond market level, only data for the new categorisation for 2012 and 2013 is shown. The old categories together with the historic data can be found on the 2012 edition of the ECBC Fact Book. For further information on these changes, please see the Statistics introduction of the Fact Book.

Please note that the statistics contain "n.a." when data is not available, "-" when the value is zero and "*" indicates that the figure in question does not correspond to the sum of the above sub-components due to the unavailability in some countries of these breakdowns. In addition, please note that totals are calculated using available data only, and that any fluctuations of values in this table over time may be partly due to one or more countries' data becoming available or unavailable from one year to the next. In order to be sure about what causes changes in the totals, please see the individual country statistics. Finally, please also note that any small difference between Totals in the same year is due to rounding.

Source: EMF-ECBC

5.2.2 TOTAL 2022 STATISTICS BY TYPE OF ASSETS

COVERED BONDS OUTSTANDING 2022 in EUR million						
	Public Sector	Mortgage	Ships	Others	Mixed Assets	TOTAL
Australia	-	70,180	-	-	-	70,180
Austria	26,772	74,522	-	5	-	101,299
Belgium	1,211	46,162	-	-	-	47,373
Brazil	-	16,133	-	-	-	16,133
Canada	-	168,393	-	-	-	168,393
Cyprus	-	650	-	-	-	650
Czechia	-	17,908	-	-	-	17,908
Denmark	17,104	440,428	5,775	-	-	463,307
Estonia	-	2,100	-	-	-	2,100
Finland	-	51,817	-	-	-	51,817
France	72,432	244,263	-	-	50,863	367,558
Germany	110,144	281,505	1,932	-	-	393,581
Greece	-	10,140	-	-	-	10,140
Hungary	-	4,840	-	-	-	4,840
Iceland	-	5,725	-	-	-	5,725
Ireland	-	12,229	-	-	-	12,229
Italy	3,100	162,848	-	-	-	165,948
Japan	-	5,788	-	-	-	5,788
Latvia	-	-	-	-	-	-
Luxembourg	4,595	-	-	300	-	4,895
The Netherlands	-	197,002	-	-	-	197,002
New Zealand	-	10,648	-	-	-	10,648
Norway	1,969	133,012	-	-	-	134,981
Panama	-	21	-	-	-	21
Poland	40	4,467	-	-	-	4,507
Portugal	600	35,900	-	-	-	36,500
Romania	-	200	-	-	-	200
Singapore	-	12,423	-	-	-	12,423
Slovakia	-	11,382	-	-	-	11,382
South Korea	-	11,622	-	-	-	11,622
Spain	12,585	188,958	-	7,300	-	208,843
Sweden	-	225,212	-	-	-	225,212
Switzerland	-	174,458	-	-	-	174,458
Turkey	-	280	-	-	-	280
United Kingdom	564	90,311	-	-	-	90,875
United States	-	-	-	-	-	-
Total	251,116	2,711,526	7,707	7,605	50,863	3,028,817

COVERED BONDS ISSUANCE 2022 in EUR million						
	Public Sector	Mortgage	Ships	Others	Mixed Assets	TOTAL
Australia	-	24,509	-	-	-	24,509
Austria	1,517	21,646	-	-	-	23,163
Belgium	-	7,700	-	-	-	7,700
Brazil	-	8,309	-	-	-	8,309
Canada	-	70,170	-	-	-	70,170
Cyprus	-	-	-	-	-	-
Czechia	-	4,435	-	-	-	4,435
Denmark	2,992	149,201	1,001	-	-	153,194
Estonia	-	1,250	-	-	-	1,250
Finland	-	11,420	-	-	-	11,420
France	12,543	45,890	-	-	-	58,433
Germany	14,240	67,317	750	-	-	82,307
Greece	-	-	-	-	-	-
Hungary	-	911	-	-	-	911
Iceland	-	1,832	-	-	-	1,832
Ireland	-	-	-	-	-	-
Italy	-	20,760	-	-	-	20,760
Japan	-	-	-	-	-	-
Latvia	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-
The Netherlands	-	37,956	-	-	-	37,956
New Zealand	-	2,250	-	-	-	2,250
Norway	399	34,217	-	-	-	34,616
Panama	-	-	-	-	-	-
Poland	-	650	-	-	-	650
Portugal	450	3,550	-	-	-	4,000
Romania	-	-	-	-	-	-
Singapore	-	3,910	-	-	-	3,910
Slovakia	-	3,250	-	-	-	3,250
South Korea	-	2,092	-	-	-	2,092
Spain	2,000	22,350	-	-	-	24,350
Sweden	-	48,238	-	-	-	48,238
Switzerland	-	25,490	-	-	-	25,490
Turkey	-	-	-	-	-	-
United Kingdom	-	18,232	-	-	-	18,232
United States	-	-	-	-	-	-
Total	34,141	637,533	1,751	-	-	673,426

Source: EMF-ECBC

5.2.3 AUSTRALIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	18,160	24,846	27,005	46,350	38,911	41,307	35,795	36,841	32,995	42,771
Benchmark (500mio - below 1bn)	7,285	8,945	11,151	6,887	8,587	7,341	12,023	9,082	9,155	10,315
Others (below 500Mio)	3,832	4,241	3,756	303	-	599	2,229	370	590	1,335
Private Placement	22,554	26,710	27,400	17,256	16,504	16,609	14,584	16,299	15,124	15,760
Total	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Denominated in EURO	14,355	21,415	26,119	28,814	31,199	35,935	37,710	35,711	34,110	38,151
Denominated in domestic currency	9,677	10,694	10,728	10,146	6,344	7,712	7,650	8,750	7,639	9,988
Denominated in other currencies	27,799	32,633	32,465	31,836	26,459	22,208	19,270	18,131	16,115	22,042
Total	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Hard Bullet	30,772	31,897	30,849	17,544	13,032	7,678	3,139	4,334	7,622	1,308
Soft Bullet	21,058	32,844	38,464	53,252	50,469	57,678	60,491	56,786	48,770	67,173
Conditional Pass Through	-	-	-	-	500	500	1,000	1,472	1,472	1,699
Total	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Outstanding fixed coupon	43,309	55,503	61,902	63,995	58,777	60,836	59,142	53,915	50,250	59,652
Outstanding floating coupon	8,522	9,238	7,410	6,801	5,224	5,019	5,488	8,678	7,615	10,529
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	51,831	64,741	69,312	70,796	64,001	65,855	64,630	62,592	57,864	70,180
Number of Programmes	5	5	5	6	7	8	8	8	8	9
Number of Issuers	5	5	5	6	7	8	8	8	8	9
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	15,868	13,253	10,004	11,382	7,351	11,075	9,511	4,594	6,825	24,509
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	15,868	13,253	10,004	11,382	7,351	11,075	9,511	4,594	6,825	24,509
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-
Public Placement										
Benchmark (1bn and above)	3,000	6,686	3,250	5,392	2,814	7,155	6,431	3,650	4,045	16,950
Benchmark (500mio - below 1bn)	4,224	1,660	2,790	3,026	2,144	500	1,554	472	1,826	2,827
Others (below 500Mio)	303	409	1,090	-	-	-	154	-	184	330
Private Placement	8,342	4,499	2,873	2,965	2,393	3,420	1,372	472	770	4,401
Total	15,868	13,253	10,004	11,382	7,351	11,075	9,511	4,594	6,825	24,508
Denominated in EURO	4,112	7,060	4,705	4,445	4,885	5,736	4,955	-	3,980	11,585
Denominated in domestic currency	1,250	1,359	34	2,227	1,473	2,004	524	944	640	3,696
Denominated in other currencies	10,506	4,834	5,265	4,710	993	3,335	4,032	3,650	2,205	9,228
Total	15,868	13,253	10,004	11,382	7,351	11,075	9,511	4,594	6,825	24,509
Hard Bullet	349	1,125	2,250	100	-	-	-	-	-	-
Soft Bullet	15,519	12,128	7,754	11,282	6,851	10,995	9,011	4,122	6,825	23,781
Conditional Pass Through	-	-	-	-	500	-	500	472	-	727
Total	15,868	13,253	10,004	11,382	7,351	10,995	9,511	4,594	6,825	24,508
Issuance fixed coupon	14,369	12,195	9,245	9,453	6,255	9,466	8,518	1,426	5,789	19,702
Issuance floating coupon	1,500	1,058	759	1,929	1,096	1,609	993	3,168	1,036	4,806
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	15,868	13,253	10,004	11,382	7,351	11,075	9,511	4,594	6,825	24,509
Number of New Issuers	-	-	-	1	1	1	-	-	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Source: Westpac Institutional Bank, ECBC

5.2.4 AUSTRIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	23,682	19,279	17,620	17,155	17,590	16,926	16,574	18,348	18,725	26,772
Mortgage	18,854	22,450	27,345	30,894	31,915	42,001	49,124	59,601	71,142	74,522
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	5
Total Outstanding	42,536	41,729	44,965	48,049	49,505	58,928	65,699	77,949	89,866	101,299
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	300	300	1,500	2,000
Public Placement										
Benchmark (1bn and above)	5,000	3,000	4,087	3,000	3,000	4,000	4,000	4,000	3,000	2,250
Benchmark (500mio - below 1bn)	12,870	13,050	14,550	16,800	20,050	23,100	27,192	29,500	30,500	41,250
Others (below 500Mio)	87	-	600	600	1,003	1,761	2,695	2,280	3,547	6,280
Private Placement	24,579	25,679	25,728	27,649	25,452	30,067	31,812	42,169	52,819	51,518
Total	42,536	41,729	44,965	48,049	49,505	58,928	65,699	77,950	89,866	101,299
Denominated in EURO	39,184	39,287	43,065	46,119	48,444	57,742	64,766	77,255	89,139	100,601
Denominated in domestic currency	-	-	-	-	-	1	-	-	-	-
Denominated in other currencies	3,352	2,442	1,900	1,930	1,061	1,185	932	695	726	698
Total	42,536	41,729	44,965	48,049	49,505	58,928	65,699	77,950	89,866	101,299
Hard Bullet	42,536	41,729	44,715	47,769	49,315	55,848	59,074	63,991	64,420	64,315
Soft Bullet	-	-	-	-	-	2,800	6,161	13,654	25,150	36,984
Conditional Pass Through	-	-	250	280	190	280	463	305	295	-
Total	42,536	41,729	44,965	48,049	49,505	58,928	65,699	77,949	89,866	101,299
Outstanding fixed coupon	34,793	29,680	31,611	47,769	33,794	40,256	48,777	50,348	51,993	62,991
Outstanding floating coupon	7,342	12,049	12,720	-	15,200	17,169	16,708	27,437	37,644	36,351
Outstanding other	402	-	634	280	511	1,503	214	164	229	1,957
Total	42,536	41,729	44,965	48,049	49,505	58,928	65,699	77,949	89,866	101,299
Number of Programmes	39	45	48	48	48	49	46	46	43	39
Number of Issuers	27	28	27	26	26	27	27	26	26	23
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	3	5
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	3,373	5,146	3,177	2,355	3,115	2,040	1,833	6,515	2,371	1,517
Mortgage	6,093	7,111	5,457	7,181	3,165	11,007	11,228	20,587	15,553	21,646
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	9,466	12,257	8,634	9,536	6,280	13,047	13,061	27,102	17,924	23,163
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,250	500
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	1,000	-	-	-	1,250
Benchmark (500mio - below 1bn)	3,800	3,000	4,000	2,750	2,750	5,000	7,000	5,000	4,000	12,750
Others (below 500Mio)	-	-	327	390	550	605	315	280	1,386	2,802
Private Placement	5,666	9,256	4,308	6,396	2,980	6,441	5,746	21,822	12,538	6,361
Total	9,466	12,256	8,635	9,536	6,280	13,047	13,061	27,102	17,924	23,163
Denominated in EURO	9,466	12,256	8,635	9,536	6,280	12,935	13,061	27,102	17,924	23,011
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	112	-	-	-	152
Total	9,466	12,256	8,635	9,536	6,280	13,047	13,061	27,102	17,924	23,163
Hard Bullet	9,466	12,256	8,385	9,506	6,280	10,207	9,911	17,796	13,590	7,396
Soft Bullet	-	-	-	-	-	2,800	3,110	9,141	4,334	15,768
Conditional Pass Through	-	-	250	30	-	40	40	165	-	-
Total	9,466	12,256	8,635	9,536	6,280	13,047	13,061	27,102	17,924	23,163
Issuance fixed coupon	6,609	4,671	5,317	9,506	4,164	8,481	8,279	11,834	6,984	16,922
Issuance floating coupon	2,812	7,346	3,304	-	2,083	4,264	4,782	15,268	10,940	3,976
Issuance other	45	239	13	30	34	301	-	-	-	2,266
Total	9,466	12,256	8,634	9,536	6,280	13,047	13,061	27,102	17,924	23,163
Number of New Issuers	1	1	1	-	-	1	1	-	3	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	3	1

5.2.5 BELGIUM

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	1,750	1,800	2,300	2,300	2,461	2,461	2,461	1,211	1,211
Mortgage	8,188	10,575	15,105	16,700	15,250	20,092	23,637	41,062	41,462	46,162
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	4,500	5,750	9,750	11,000	8,500	9,750	9,750	11,000	7,750	6,500
Benchmark (500mio - below 1bn)	2,500	5,175	5,175	5,925	6,925	10,175	8,825	8,500	9,500	10,500
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	1,188	1,400	1,980	2,075	2,125	2,628	7,523	24,023	25,423	30,373
Total	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Denominated in EURO	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Outstanding fixed coupon	8,188	12,185	16,765	18,860	17,410	22,413	25,998	43,423	42,673	47,373
Outstanding floating coupon	-	140	140	140	140	140	100	100	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	8,188	12,325	16,905	19,000	17,550	22,553	26,098	43,523	42,673	47,373
Number of Programmes	3	4	4	5	5	5	6	6	7	7
Number of Issuers	3	3	3	4	4	4	4	4	5	5
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	1,750	50	500	-	161	500	-	-	-
Mortgage	5,598	2,387	4,530	2,345	1,050	5,842	5,000	19,250	2,500	7,700
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	5,598	4,137	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	2,000	1,250	4,000	1,250	-	2,250	-	2,250	-	1,000
Benchmark (500mio - below 1bn)	2,500	2,675	-	1,500	1,000	3,250	500	500	1,000	1,500
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	1,098	212	580	95	50	503	5,000	16,500	1,500	5,200
Total	5,598	4,137	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Denominated in EURO	5,598	4,137	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	5,598	4,137	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	5,598	3,997	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	5,598	3,997	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Issuance fixed coupon	5,598	3,997	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Issuance floating coupon	-	140	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	5,598	4,137	4,580	2,845	1,050	6,003	5,500	19,250	2,500	7,700
Number of New Issuers	1	-	-	1	-	-	-	-	1	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.6 BRAZIL

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total Outstanding	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Outstanding fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	3,877
Outstanding floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	9,902
Outstanding other	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	2,354
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,487	3,199	7,609	16,133
Number of Programmes	n.a.	n.a.	n.a.	n.a.	n.a.	4	7	7	7	6
Number of Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	4	3	3	3	3
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Issuance fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	1,277
Issuance floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	5,798
Issuance other	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	1,234
Total	n.a.	n.a.	n.a.	n.a.	n.a.	454	2,040	2,473	4,366	8,309
Number of New Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	4	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.7 CANADA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	45,372	59,481	76,749	84,273	77,075	88,943	93,697	86,559	93,899	123,968
Benchmark (500mio - below 1bn)	1,205	4,877	7,538	6,328	6,478	6,307	7,182	8,179	10,595	13,490
Others (below 500Mio)	3,882	478	571	1,728	1,183	1,899	553	625	931	1,931
Private Placement	-	-	901	8,500	8,360	10,347	11,584	72,832	33,011	29,004
Total	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Denominated in EURO	6,750	19,250	34,401	47,262	50,012	56,662	57,662	57,282	62,518	86,636
Denominated in domestic currency	1,840	1,387	2,183	5,498	5,187	6,376	6,302	63,487	25,881	11,468
Denominated in other currencies	41,869	44,200	49,175	48,070	37,897	44,458	49,051	47,425	50,038	70,289
Total	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	50,459	64,836	85,759	100,830	93,095	107,496	113,016	168,195	138,436	168,393
Outstanding fixed coupon	48,962	60,588	76,427	89,939	82,362	93,478	96,936	96,125	89,064	125,412
Outstanding floating coupon	1,497	4,249	9,332	10,891	10,734	14,019	16,080	72,069	49,372	42,981
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	50,459	64,836	85,759	100,830	93,095	107,497	113,016	168,195	138,436	168,393
Number of Programmes	9	13	13	12	8	8	8	8	10	10
Number of Issuers	7	7	7	7	7	8	8	8	10	10
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)										
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	9,354	19,275	29,287	28,148	12,441	24,384	23,647	79,834	31,820	70,170
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	9,354	19,275	29,287	28,148	12,441	24,384	23,647	79,834	31,820	70,170
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	9,030	15,851	18,246	20,569	11,167	18,390	19,560	14,389	26,739	53,289
Benchmark (500mio - below 1bn)	324	1,155	2,051	2,850	648	3,352	2,000	1,845	3,162	2,696
Others (below 500Mio)	-	321	2,515	701	-	222	-	-	350	971
Private Placement	-	-	6,475	4,028	625	2,420	2,088	63,600	1,569	13,213
Total	9,354	17,328	29,287	28,148	12,441	24,384	23,647	79,834	31,820	70,170
Denominated in EURO	5,500	12,500	15,151	12,861	4,000	12,750	11,750	10,370	12,785	32,118
Denominated in domestic currency	-	-	1,455	3,172	-	1,762	856	59,010	174	1,427
Denominated in other currencies	3,854	6,775	12,681	12,115	8,441	9,871	11,041	10,454	18,861	36,625
Total	9,354	19,275	29,287	28,148	12,441	24,383	23,647	79,834	31,820	70,170
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	9,354	19,275	29,287	28,148	12,441	24,384	23,647	79,834	31,820	70,170
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	9,354	19,275	29,287	28,148	12,441	24,384	23,647	79,834	31,820	70,170
Issuance fixed coupon	8,219	16,939	24,739	25,596	9,815	18,808	19,227	20,105	20,684	55,839
Issuance floating coupon	1,135	2,336	4,548	2,552	2,626	5,575	4,420	59,729	11,136	14,331
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	9,354	19,275	29,287	28,148	12,441	24,383	23,647	79,834	31,820	70,170
Number of New Issuers	-	-	-	-	-	1	-	-	2	n.a.
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Note: Outstanding and issuance amounts include registered (legislative) and non-registered covered bonds.

5.2.8 CYPRUS

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	1,000	1,000	650	650	650	650	650	650	650	650
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	1,000	1,000	650	650	650	650	650	650	650	650
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	1,000	1,000	650	650	650	650	650	650	650	650
Total	1,000	1,000	650	650	650	650	650	650	650	650
Denominated in EURO	1,000	1,000	650	650	650	650	650	650	650	650
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	1,000	1,000	650	650	650	650	650	650	650	650
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	1,000	1,000	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	650	650	650	650	650	650	650	650
Total	1,000	1,000	650	650	650	650	650	650	650	650
Outstanding fixed coupon	-	-	-	-	-	-	-	-	-	-
Outstanding floating coupon	1,000	1,000	650	650	650	650	650	650	650	650
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	1,000	1,000	650	650	650	650	650	650	650	650
Number of Programmes	1	1	1	1	1	1	1	1	1	1
Number of Issuers	1	1	1	1	1	1	1	1	1	1
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	-	-	-	-	-	-	-	-	-	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Issuance fixed coupon	-	-	-	-	-	-	-	-	-	-
Issuance floating coupon	-	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.9 CZECHIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,908
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,908
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	700	-	-	-	-	-	1,004
Others (below 500Mio)	6,731	4,316	6,156	5,856	3,107	4,861	2,912	-	-	1,325
Private Placement	3,624	6,790	5,500	6,504	12,415	8,896	11,255	18,185	22,548	15,579
Total	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,908
Denominated in EURO	914	735	1,187	1,702	3,688	1,346	1,299	5,497	814	1,298
Denominated in domestic currency	9,441	10,371	10,469	11,358	11,834	12,411	12,868	12,688	21,734	16,610
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,908
Hard Bullet	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,408
Soft Bullet	-	-	-	-	-	-	-	-	-	500
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	10,355	11,106	11,656	13,060	15,522	13,757	14,168	18,185	22,548	17,908
Outstanding fixed coupon	6,110	5,279	6,101	7,386	10,591	9,334	9,938	10,413	10,763	11,766
Outstanding floating coupon	4,105	5,654	5,462	5,571	4,838	4,407	4,230	7,772	11,785	6,142
Outstanding other	140	173	93	103	93	16	-	-	-	-
Total	10,355	11,106	11,656	13,060	15,522	13,758	14,168	18,185	22,548	17,908
Number of Programmes	8	8	8	7	8	8	8	7	7	7
Number of Issuers	8	8	8	7	8	8	8	7	7	6
Of which, Sustainable Issuers	-	-	-	-	-	-	-	-	-	-
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	500	500
Others (below 500Mio)	622	369	1,138	387	376	187	-	-	-	-
Private Placement	1,169	1,819	1,591	1,306	3,698	2,386	1,516	6,412	9,915	3,935
Total	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Denominated in EURO	886	286	623	200	2,318	500	7	4,501	500	500
Denominated in domestic currency	905	1,902	2,106	1,493	1,756	2,073	1,509	1,911	9,915	3,935
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Hard Bullet	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	3,935
Soft Bullet	-	-	-	-	-	-	-	-	-	500
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Issuance fixed coupon	1,717	2,013	2,090	1,551	4,035	2,442	1,478	2,354	8,546	1,709
Issuance floating coupon	74	136	639	142	39	131	38	4,058	1,869	2,726
Issuance other	-	39	-	-	-	-	-	-	-	-
Total	1,791	2,188	2,729	1,693	4,074	2,573	1,516	6,412	10,415	4,435
Number of New Issuers	-	-	-	-	1	-	-	-	-	-
Number of New Sustainable Issuers	-	-	-	-	-	-	-	-	-	-

5.2.10 DENMARK

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	4,375	10,864	12,872	14,778	17,104
Mortgage	359,646	369,978	377,903	389,200	393,447	396,246	402,432	419,031	433,812	440,428
Ships	5,514	5,013	5,221	4,744	4,947	5,370	6,090	5,680	6,110	5,775
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	365,160	374,991	383,124	393,944	398,394	405,991	419,386	437,583	454,700	463,307
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,117	3,062	7,157	9,926
Public Placement										
Benchmark (1bn and above)	234,504	228,111	216,822	241,463	270,245	282,575	307,847	311,130	326,368	315,278
Benchmark (500mio - below 1bn)	54,170	64,229	76,880	78,434	57,504	54,836	45,686	50,142	61,211	73,752
Others (below 500Mio)	74,355	78,721	77,125	69,261	66,636	64,449	63,109	69,029	65,479	72,635
Private Placement	2,131	3,931	12,297	4,786	4,009	4,131	2,743	7,282	1,642	1,642
Total	365,160	374,992	383,124	393,944	398,394	405,991	419,386	437,583	454,700	463,307
Denominated in EURO	40,856	38,682	36,934	38,481	30,805	27,290	24,439	29,009	26,589	26,118
Denominated in domestic currency	316,603	327,442	337,631	346,368	357,977	369,111	384,498	397,571	414,787	423,181
Denominated in other currencies	7,701	8,867	8,559	9,095	9,612	9,590	10,449	11,004	13,324	14,008
Total	365,160	374,991	383,124	393,944	398,394	405,991	419,386	437,583	454,700	463,307
Hard Bullet	n.a.	n.a.	n.a.	211,224	183,166	176,393	195,024	231,069	232,266	211,311
Soft Bullet	n.a.	n.a.	n.a.	182,720	215,228	229,598	224,362	206,515	222,434	251,996
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	365,160	374,991	383,124	393,944	398,394	405,991	419,386	437,583	454,700	463,307
Outstanding fixed coupon	284,483	285,721	285,004	287,779	293,255	298,456	314,483	333,477	349,488	333,147
Outstanding floating coupon	80,677	89,271	98,120	105,165	105,139	107,535	104,903	104,107	105,211	130,159
Outstanding other	-	-	-	1,000	-	-	-	-	-	-
Total	365,160	374,992	383,124	393,944	398,394	405,991	419,386	437,583	454,700	463,307
Number of Programmes	24	23	23	23	23	27	28	28	29	21
Number of Issuers	10	9	9	9	9	9	9	7	7	7
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	3	4	5
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	4,382	6,377	2,469	2,428	2,992
Mortgage	149,989	154,310	163,050	130,329	123,205	113,441	165,208	124,013	121,724	149,201
Ships	458	399	955	883	2,524	1,183	1,713	1,042	1,194	1,001
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	150,447	154,709	164,005	131,212	125,729	119,006	173,298	127,524	125,346	153,194
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,334	4,116	5,876
Public Placement										
Benchmark (1bn and above)	112,880	78,323	74,213	48,361	48,179	42,693	86,317	46,280	44,237	62,170
Benchmark (500mio - below 1bn)	17,573	31,779	33,205	34,322	28,429	30,205	39,856	31,946	32,466	34,495
Others (below 500Mio)	19,657	44,592	54,531	48,110	49,121	45,497	46,125	43,798	48,643	56,529
Private Placement	337	15	2,056	419	-	611	1,000	5,500	-	-
Total	150,447	154,709	164,005	131,212	125,729	119,006	173,298	127,524	125,346	153,194
Denominated in EURO	23,553	15,412	11,390	8,865	8,594	7,821	5,466	7,803	3,406	3,230
Denominated in domestic currency	124,331	134,368	147,944	118,030	114,873	109,434	164,053	116,635	116,404	145,490
Denominated in other currencies	2,563	4,929	4,671	4,317	2,262	1,751	3,779	3,086	5,536	4,474
Total	150,447	154,709	164,005	131,212	125,729	119,006	173,298	127,524	125,346	153,194
Hard Bullet	n.a.	n.a.	n.a.	29,630	28,786	36,362	98,706	62,104	56,213	54,679
Soft Bullet	n.a.	n.a.	n.a.	101,582	96,943	82,644	74,592	65,419	69,133	98,515
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	150,447	154,709	164,005	131,212	125,729	119,006	173,298	127,524	125,346	153,194
Issuance fixed coupon	130,290	131,949	129,815	90,328	89,319	89,194	140,692	100,598	92,943	94,015
Issuance floating coupon	20,157	22,760	34,190	40,884	36,410	29,812	32,606	26,926	32,403	59,179
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	150,447	154,709	164,005	131,212	125,729	119,006	173,298	127,524	125,346	153,194
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	1

Note: Since a large share of Danish mortgage covered bonds are tap-issued over a period of typically 3 years, Benchmark (1bn and above) issues and outstanding are defined as covered bond with more than EUR 1 bn in the year, the bond reach EUR 1 bn. The same way, Benchmark (500Mio - below 1bn) issues and outstanding are defined as covered bond with 500Mio - below 1bn euro in the year, the bond reach EUR 500 Mio, and at the same time does not exceed EUR 1 bn. The definition includes both covered bonds denominated in DKK and in EUR. Danish covered bonds denominated in euro and issued in a jurisdiction outside Denmark are included in the Danish data.

5.2.11 ESTONIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total Outstanding	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	500	1,000
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	250	250	250
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	100	100	850
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	750
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	1,350
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Outstanding fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	1,350
Outstanding floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	750
Outstanding other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	850	2,100
Number of Programmes	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	2	2
Number of Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	2	2
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	-	500
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	250	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	100	-	750
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	750
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	500
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Issuance fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	500
Issuance floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	750
Issuance other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	850	-	1,250
Number of New Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.12 FINLAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	750	2,750
Public Placement										
Benchmark (1bn and above)	22,500	25,750	27,250	26,000	28,000	27,750	27,500	26,250	26,250	30,500
Benchmark (500mio - below 1bn)	2,200	2,100	2,070	2,000	2,500	4,000	4,500	4,500	7,087	6,000
Others (below 500Mio)	4,115	3,116	500	1,207	2,777	2,067	2,650	3,149	3,050	4,800
Private Placement	969	1,065	4,154	4,615	1,348	3,440	3,124	9,956	10,733	10,517
Total	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Denominated in EURO	29,230	31,738	33,663	33,665	34,458	36,842	37,398	43,269	46,388	51,817
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	553	293	311	157	167	414	376	587	732	-
Total	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Hard Bullet	n.a.	n.a.	n.a.	17,202	16,305	17,643	16,166	19,657	20,888	19,497
Soft Bullet	n.a.	n.a.	n.a.	16,620	18,320	19,614	21,608	24,198	26,232	32,320
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Outstanding fixed coupon	26,425	28,665	30,476	30,996	32,995	35,584	36,342	35,428	33,789	38,244
Outstanding floating coupon	3,358	3,366	3,498	2,826	1,630	1,673	1,432	8,427	13,331	13,573
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	29,783	32,031	33,974	33,822	34,625	37,257	37,774	43,855	47,119	51,817
Number of Programmes	8	9	9	8	9	9	9	9	11	12
Number of Issuers	6	6	6	8	9	8	8	8	8	9
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	2
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	750	2,000
Public Placement										
Benchmark (1bn and above)	2,750	5,500	6,500	2,250	4,500	3,250	4,750	3,250	3,000	8,000
Benchmark (500mio - below 1bn)	500	500	500	500	500	2,000	1,000	-	2,287	1,250
Others (below 500Mio)	370	469	250	550	550	400	900	500	450	1,700
Private Placement	151	-	175	1,379	-	-	-	7,449	2,850	470
Total	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Denominated in EURO	3,771	6,283	7,425	4,679	5,550	5,650	6,650	11,000	8,050	11,420
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	186	-	-	-	-	-	199	537	-
Total	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Hard Bullet	n.a.	n.a.	n.a.	1,279	1,500	3,000	2,500	6,000	-	1,500
Soft Bullet	n.a.	n.a.	n.a.	3,400	4,050	2,650	4,150	5,199	8,587	9,920
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Issuance fixed coupon	3,621	6,170	7,410	3,679	5,550	5,650	6,650	4,200	2,350	9,900
Issuance floating coupon	150	299	15	1,000	-	-	-	6,999	6,237	1,520
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	3,771	6,469	7,425	4,679	5,550	5,650	6,650	11,199	8,587	11,420
Number of New Issuers	1	-	-	2	1	-	-	-	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	1	1

5.2.13 FRANCE

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	68,349	67,696	66,717	64,228	64,115	64,482	65,079	68,123	70,103	72,432
Mortgage	202,822	188,925	188,669	177,813	185,820	194,227	209,294	221,821	226,893	244,263
Mixed Assets	73,015	68,896	67,685	66,587	62,289	62,602	59,870	55,824	53,144	50,863
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	344,185	325,517	323,072	308,627	312,224	321,311	334,243	345,767	350,141	367,558
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,000	7,250	12,000	15,010
Public Placement										
Benchmark (1bn and above)	209,885	208,784	201,947	188,508	181,069	180,484	173,151	169,393	169,904	174,815
Benchmark (500mio - below 1bn)	23,992	14,788	17,128	18,858	25,765	32,431	42,756	46,626	48,350	52,338
Others (below 500Mio)	32,253	7,865	10,121	5,427	4,806	4,804	13,257	10,190	2,135	4,529
Private Placement	78,055	94,081	93,876	95,836	100,584	103,593	105,079	119,558	129,751	135,876
Total	344,186	325,518	323,072	308,627	312,224	321,311	334,243	345,767	350,141	367,558
Denominated in EURO	316,562	303,435	303,710	292,233	302,504	314,880	327,567	339,805	345,213	362,749
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	27,624	22,083	19,362	16,395	9,720	6,431	6,676	5,962	4,928	4,809
Total	344,186	325,517	323,072	308,627	312,224	321,311	334,243	345,767	350,141	367,558
Hard Bullet	n.a.	n.a.	n.a.	246,233	225,423	216,228	199,215	177,940	163,599	153,488
Soft Bullet	n.a.	n.a.	n.a.	62,394	86,801	105,083	135,028	167,827	186,542	214,070
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	344,186	325,517	323,072	308,627	312,224	321,311	334,243	345,767	350,141	367,558
Outstanding fixed coupon	287,504	279,149	295,639	284,807	289,169	275,856	315,135	327,217	327,548	344,519
Outstanding floating coupon	43,002	32,725	16,640	12,690	14,493	8,536	10,699	12,593	16,787	18,921
Outstanding other	13,680	13,643	10,792	11,131	8,562	36,920	8,410	5,958	5,805	4,119
Total	344,186	325,517	323,072	308,627	312,224	321,311	334,243	345,767	350,141	367,558
Number of Programmes	23	21	19	19	19	18	19	17	18	18
Number of Issuers	21	21	19	16	19	18	19	17	18	18
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	4	4	5
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	4,179	5,318	6,785	6,441	8,681	5,483	8,800	9,047	14,150	12,543
Mortgage	19,637	14,483	29,705	19,482	28,347	27,108	37,050	39,770	29,865	45,890
Mixed Assets	3,498	6,149	8,395	5,366	6,455	5,218	3,000	3,025	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	27,314	25,950	44,885	31,289	43,483	37,809	48,850	51,842	44,015	58,433
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,000	3,250	4,750	3,010
Public Placement										
Benchmark (1bn and above)	12,250	15,250	14,500	17,050	18,745	15,800	19,710	21,250	15,000	34,450
Benchmark (500mio - below 1bn)	5,550	4,250	5,650	4,250	7,800	9,950	7,460	7,100	8,800	8,000
Others (below 500Mio)	1,755	496	2,431	-	421	-	230	150	-	793
Private Placement	7,759	5,955	22,304	9,989	16,517	12,059	21,450	23,342	20,215	15,190
Total	27,314	25,951	44,885	31,289	43,483	37,809	48,850	51,842	44,015	58,433
Denominated in EURO	26,596	25,455	44,562	31,102	43,312	37,809	48,620	51,842	44,015	58,170
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	718	495	323	187	171	-	230	-	-	263
Total	27,314	25,950	44,885	31,289	43,483	37,809	48,850	51,842	44,015	58,433
Hard Bullet	n.a.	n.a.	n.a.	11,272	12,966	10,791	10,035	11,982	13,160	13,303
Soft Bullet	n.a.	n.a.	n.a.	20,017	30,517	27,018	38,815	39,860	30,855	45,130
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	27,314	25,950	44,885	31,289	43,483	37,809	48,850	51,842	44,015	58,433
Issuance fixed coupon	23,556	24,027	43,642	30,395	40,208	35,821	47,280	46,745	40,477	54,933
Issuance floating coupon	3,558	1,549	1,243	840	3,275	1,000	1,570	5,000	3,500	3,500
Issuance other	200	374	-	54	-	988	-	97	38	-
Total	27,314	25,950	44,885	31,289	43,483	37,809	48,850	51,842	44,015	58,433
Number of New Issuers	1	-	-	-	-	-	1	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	1	-	1

Note: The "Mixed assets" category refers to covered bonds that are backed by a mix of public sector assets, mortgage loans. The bonds (outstanding and issuance) have been allocated equally between mortgage and public sector categories in the total (5.2.1 section of the Fact Book)

5.2.14 GERMANY

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	245,961	206,535	180,524	161,871	148,081	134,717	121,849	123,425	125,263	110,144
Mortgage	199,900	189,936	197,726	207,338	215,199	233,372	239,570	246,311	264,016	281,505
Ships	5,792	4,811	5,158	3,551	2,420	1,154	2,724	2,212	2,088	1,932
Others	506	1,006	1,006	1,006	505	505	-	-	-	-
Total Outstanding	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	391,366	393,581
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5,675	6,618	9,471	17,743
Public Placement										
Benchmark (1bn and above)	81,030	55,608	48,462	34,635	32,235	37,110	40,625	46,625	52,366	62,100
Benchmark (500mio - below 1bn)	46,798	56,987	69,883	85,807	90,494	102,175	116,688	112,963	116,226	124,807
Others (below 500Mio)	63,864	60,229	43,828	41,913	40,133	51,073	29,655	24,586	31,341	28,474
Private Placement	260,467	229,464	222,241	211,411	203,343	179,390	177,175	187,773	191,433	178,200
Total	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	391,366	393,581
Denominated in EURO	437,737	387,772	370,419	357,884	350,976	357,184	349,229	361,460	379,016	382,446
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	14,422	14,516	13,995	15,882	15,229	12,563	14,914	10,487	12,350	11,135
Total	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	391,366	393,581
Hard Bullet	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	-	-
Soft Bullet	-	-	-	-	-	-	-	-	391,366	393,581
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	391,366	393,581
Outstanding fixed coupon	375,537	339,705	334,264	328,143	326,595	342,427	336,220	330,063	325,523	342,674
Outstanding floating coupon	59,170	51,956	44,359	34,657	33,844	24,557	20,721	38,753	62,081	45,188
Outstanding other	17,452	10,627	5,791	10,966	5,766	2,764	7,201	3,131	3,761	5,719
Total	452,159	402,288	384,414	373,766	366,205	369,747	364,143	371,947	391,366	393,581
Number of Programmes	116	121	121	120	117	120	120	120	118	120
Number of Issuers	72	78	79	78	78	78	78	80	81	83
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5	5	8	12
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	15,611	15,334	15,544	10,364	11,935	7,230	11,236	19,080	18,314	14,240
Mortgage	33,583	29,145	40,369	35,070	36,841	43,142	41,973	40,248	45,812	67,317
Ships	303	920	2,208	-	-	10	1,760	450	600	750
Others	-	500	-	-	-	-	-	-	-	-
Total Issuance	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	64,726	82,307
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,675	1,000	2,800	9,436
Public Placement										
Benchmark (1bn and above)	2,125	5,500	5,500	5,250	4,250	9,000	10,000	11,250	6,690	21,850
Benchmark (500mio - below 1bn)	15,725	14,100	22,201	20,469	15,882	22,441	20,422	11,546	15,154	22,981
Others (below 500Mio)	11,816	9,045	11,263	6,492	11,758	6,850	8,575	6,474	9,429	8,198
Private Placement	19,831	17,254	19,157	13,223	16,886	12,091	15,972	30,508	33,452	29,278
Total	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	64,726	82,307
Denominated in EURO	45,757	42,811	55,470	40,754	42,750	45,610	48,970	58,704	59,371	79,487
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	3,740	3,088	2,651	4,680	6,026	4,772	5,998	1,074	5,355	2,820
Total	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	64,726	82,307
Hard Bullet	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	-	-
Soft Bullet	-	-	-	-	-	-	-	-	64,726	82,307
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	64,726	82,307
Issuance fixed coupon	37,878	36,917	50,618	43,888	41,490	45,116	49,340	33,489	37,516	71,123
Issuance floating coupon	11,302	8,755	6,743	1,303	7,100	5,241	5,617	26,259	27,110	11,150
Issuance other	317	227	760	243	186	25	12	30	99	34
Total	49,497	45,899	58,121	45,434	48,776	50,382	54,969	59,778	64,726	82,307
Number of New Issuers	1	6	2	-	2	2	3	4	1	2
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	3	4

5.2.15 GREECE

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	846	846	846	-	1,250	1,750	1,750	500	500	500
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	15,700	13,700	4,115	4,485	8,850	12,090	11,440	10,390	10,340	9,640
Total	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Denominated in EURO	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	16,546	5,546	896	3,725	6,350	3,990	1,840	1,840	2,440	2,440
Conditional Pass Through	-	9,000	4,065	760	3,750	9,850	11,350	9,050	8,400	7,700
Total	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Outstanding fixed coupon	846	846	846	-	1,250	2,550	2,350	700	700	700
Outstanding floating coupon	15,700	13,700	4,115	4,485	8,850	11,290	10,840	10,190	10,140	9,440
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	16,546	14,546	4,961	4,485	10,100	13,840	13,190	10,890	10,840	10,140
Number of Programmes	6	6	6	6	7	8	8	7	7	7
Number of Issuers	4	4	4	4	4	4	4	4	4	4
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	-	750	-	3,675	7,375	6,650	200	-	600	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	-	750	-	3,675	7,375	6,650	200	-	600	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	1,250	500	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	750	-	3,675	6,125	6,150	200	-	600	-
Total	-	750	-	3,675	7,375	6,650	200	-	600	-
Denominated in EURO	-	750	-	3,675	7,375	6,650	200	-	600	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	-	750	-	3,675	7,375	6,650	200	-	600	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	-	-	-	3,675	2,625	2,050	-	-	600	-
Conditional Pass Through	-	750	-	-	4,750	4,600	200	-	-	-
Total	-	750	-	3,675	7,375	6,650	200	-	600	-
Issuance fixed coupon	-	-	-	-	1,250	1,300	-	-	-	-
Issuance floating coupon	-	750	-	3,675	6,125	5,350	200	-	600	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	-	750	-	3,675	7,375	6,650	200	-	600	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.16 HUNGARY

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	103	405
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	20	-	-	612	71	543	1,675	1,356	1,776	1,681
Private Placement	3,996	3,272	3,003	1,577	2,569	3,219	2,193	3,171	2,708	3,159
Total	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Denominated in EURO	1,616	1,116	1,036	537	35	25	17	16	16	-
Denominated in domestic currency	2,354	2,154	1,986	1,652	2,605	3,737	3,850	4,510	4,468	4,840
Denominated in other currencies	46	2	-	-	-	-	-	-	-	-
Total	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Hard Bullet	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Outstanding fixed coupon	2,650	2,205	1,699	1,387	1,814	3,275	3,210	3,972	3,759	3,617
Outstanding floating coupon	1,366	1,067	1,323	802	827	449	658	555	724	1,223
Outstanding other	-	-	-	-	-	38	-	-	-	-
Total	4,016	3,272	3,022	2,189	2,641	3,762	3,868	4,526	4,483	4,840
Number of Programmes	3	3	4	4	5	5	5	5	5	5
Number of Issuers	3	3	3	4	5	5	5	5	5	4
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	4
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	559	91	888	625	1,166	2,004	487	1,555	541	911
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	559	91	888	625	1,166	2,004	487	1,555	541	911
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	103	50
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	500	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	57	-	-	293	16	505	453	697	478	219
Private Placement	2	91	888	333	1,150	1,499	33	858	63	691
Total	559	91	888	626	1,166	2,004	487	1,555	541	911
Denominated in EURO	515	-	500	5	-	-	-	-	-	-
Denominated in domestic currency	42	91	388	620	1,166	2,004	487	1,555	541	911
Denominated in other currencies	2	-	-	-	-	-	-	-	-	-
Total	559	91	888	625	1,166	2,004	487	1,555	541	911
Hard Bullet	559	91	888	625	1,166	2,004	487	1,555	541	911
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	559	91	888	625	1,166	2,004	487	1,555	541	911
Issuance fixed coupon	57	44	121	402	552	1,599	265	1,242	468	248
Issuance floating coupon	502	48	767	224	614	405	222	314	73	663
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	559	92	888	626	1,166	2,004	487	1,555	541	911
Number of New Issuers	-	-	-	1	1	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	1

5.2.17 ICELAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	500
Others (below 500Mio)	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,225
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Denominated in EURO	-	-	-	-	-	-	-	-	-	1,600
Denominated in domestic currency	803	927	1,205	1,902	2,506	3,123	3,071	3,330	3,970	4,125
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Hard Bullet	520	489	421	489	354	338	78	69	78	82
Soft Bullet	283	438	784	1,413	2,152	2,786	2,993	3,261	4,192	5,643
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Outstanding fixed coupon	66	199	254	490	541	612	866	904	1,615	2,971
Outstanding floating coupon	-	-	-	-	-	-	-	-	-	800
Outstanding other	737	728	951	1,412	1,965	2,512	2,205	2,426	2,655	1,954
Total	803	927	1,205	1,902	2,506	3,123	3,071	3,330	4,270	5,725
Number of Programmes	4	4	4	4	4	4	3	3	3	3
Number of Issuers	3	3	3	3	3	3	3	3	3	3
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	51	91	414	560	850	755	788	646	988	1,832
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	51	91	414	560	850	755	788	646	988	1,832
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	51	91	414	560	850	755	788	646	988	1,832
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	51	91	414	560	850	755	788	646	988	1,832
Denominated in EURO	-	-	-	-	-	-	-	-	300	1,300
Denominated in domestic currency	51	91	414	560	850	755	788	646	688	532
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	51	91	414	560	850	755	788	646	988	1,832
Hard Bullet	-	-	-	-	-	83	-	-	-	-
Soft Bullet	51	91	414	560	850	672	788	646	988	1,832
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	51	91	414	560	850	755	788	646	988	1,832
Issuance fixed coupon	23	35	158	255	99	89	378	462	931	967
Issuance floating coupon	-	-	-	-	-	-	-	-	-	800
Issuance other	28	56	256	305	751	667	410	184	57	65
Total	51	91	414	560	850	755	788	646	988	1,832
Number of New Issuers	1	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.18 IRELAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	22,154	20,258	15,389	6,757	3,114	2,531	708	178	-	-
Mortgage	20,827	18,473	16,916	17,062	16,416	20,788	19,337	16,816	14,433	12,229
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	42,981	38,731	32,305	23,819	19,530	23,319	20,044	16,995	14,433	12,229
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	17,169	13,254	8,010	1,675	2,000	1,000	1,000	1,000	1,000	1,000
Benchmark (500mio - below 1bn)	2,500	4,611	7,134	8,668	5,750	7,355	5,679	3,679	10,205	8,000
Others (below 500Mio)	239	-	232	476	472	-	25	-	25	25
Private Placement	23,073	20,866	16,930	13,000	11,308	14,964	13,341	12,316	3,203	3,204
Total	42,981	38,731	32,305	23,819	19,530	23,319	20,044	16,995	14,433	12,229
Denominated in EURO	36,360	31,987	27,108	22,263	18,974	23,103	19,973	16,964	14,433	12,229
Denominated in domestic currency	-	-	-	-	-	216	72	-	-	-
Denominated in other currencies	6,621	6,743	5,198	1,556	556	-	-	31	-	-
Total	42,981	38,731	32,305	23,819	19,530	23,319	20,044	16,995	14,433	12,229
Hard Bullet	n.a.	n.a.	n.a.	6,853	3,210	2,541	718	178	-	-
Soft Bullet	n.a.	n.a.	n.a.	16,966	16,320	20,778	19,327	16,816	14,433	12,229
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	42,981	38,731	32,305	23,819	19,530	23,319	20,044	16,995	14,433	12,229
Outstanding fixed coupon	27,652	26,187	23,003	15,622	11,244	10,190	7,840	5,347	3,983	2,279
Outstanding floating coupon	12,730	10,240	7,045	6,267	8,230	13,058	12,204	11,634	10,450	9,950
Outstanding other	2,598	2,303	2,258	1,930	56	70	-	14	-	-
Total	42,981	38,731	32,305	23,819	19,530	23,319	20,044	16,995	14,433	12,229
Number of Programmes	5	5	5	5	5	5	5	3	2	1
Number of Issuers	5	5	5	5	5	5	5	3	-	-
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	25	-	-	-	-	-	-	-	-	-
Mortgage	3,235	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	1,000	-	1,000	1,000	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	2,000	1,250	3,000	-	-	750	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	260	1,285	1,225	2,542	3,250	4,825	-	2,000	-	-
Total	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Denominated in EURO	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Hard Bullet	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	3,542	3,250	5,575	-	2,000	-	-
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Issuance fixed coupon	3,035	1,385	4,225	1,042	-	875	-	-	-	-
Issuance floating coupon	225	1,150	1,000	2,500	3,250	4,700	-	2,000	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	3,260	2,535	5,225	3,542	3,250	5,575	-	2,000	-	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.19 ITALY

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	6,945	8,700	8,400	7,575	6,725	5,625	4,925	4,075	3,575	3,100
Mortgage	122,099	122,464	122,135	138,977	139,937	163,311	172,728	171,102	168,099	162,848
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,674	165,948
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	1,250
Public Placement										
Benchmark (1bn and above)	39,602	44,453	46,503	42,423	42,073	38,103	38,603	35,103	28,886	23,816
Benchmark (500mio - below 1bn)	8,450	8,400	12,628	12,500	16,575	18,750	20,100	19,600	21,300	22,600
Others (below 500Mio)	1,170	140	500	375	-	-	200	542	995	600
Private Placement	79,822	78,171	70,904	91,254	88,014	112,083	118,750	119,932	120,494	118,933
Total	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,674	165,948
Denominated in EURO	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,374	165,948
Denominated in domestic currency	-	-	-	-	-	-	-	-	300	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,674	165,948
Hard Bullet	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	112,212	110,857	124,951	134,213	131,407	129,639	143,948
Conditional Pass Through	n.a.	n.a.	n.a.	34,340	35,805	43,985	43,440	43,770	42,035	22,000
Total	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,674	165,948
Outstanding fixed coupon	57,724	63,924	68,111	63,603	64,115	64,070	66,420	63,861	60,508	61,288
Outstanding floating coupon	71,320	67,240	62,424	82,950	82,497	104,816	111,183	111,266	111,116	104,610
Outstanding other	-	-	-	-	50	50	50	50	50	50
Total	129,044	131,164	130,535	146,552	146,662	168,936	177,653	175,177	171,674	165,948
Number of Programmes	19	21	24	24	25	23	21	23	22	23
Number of Issuers	13	14	14	14	14	13	12	14	13	14
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	2
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	4,200	1,000	1,700	2,375	1,650	-	-	-	1,000	-
Mortgage	24,520	39,475	27,650	41,780	19,180	45,200	27,000	26,100	22,500	20,760
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	28,720	40,475	29,350	44,155	20,830	45,200	27,000	26,100	23,500	20,760
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	750
Public Placement										
Benchmark (1bn and above)	5,250	7,750	7,250	3,250	2,250	1,000	3,000	-	-	1,000
Benchmark (500mio - below 1bn)	3,500	2,750	5,500	2,750	3,575	4,250	3,350	1,250	2,750	3,000
Others (below 500Mio)	250	-	-	-	-	-	-	300	500	-
Private Placement	19,720	29,975	16,600	38,155	15,005	39,950	20,650	24,550	20,250	16,760
Total	28,720	40,475	29,350	44,155	20,830	45,200	27,000	26,100	23,500	20,760
Denominated in EURO	28,720	40,475	29,350	44,155	20,830	45,200	27,000	25,800	23,500	20,760
Denominated in domestic currency	-	-	-	-	-	-	-	300	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	28,720	40,475	29,350	44,155	20,830	45,200	27,000	26,100	23,500	20,760
Hard Bullet	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	25,105	14,015	31,475	23,500	19,550	17,250	16,810
Conditional Pass Through	n.a.	n.a.	n.a.	19,050	6,815	13,725	3,500	6,550	6,250	3,950
Total	28,720	40,475	29,350	44,155	20,830	45,200	27,000	26,100	23,500	20,760
Issuance fixed coupon	12,170	10,585	12,250	8,000	7,825	6,000	7,350	3,250	4,750	9,900
Issuance floating coupon	16,550	29,890	17,100	36,155	13,005	39,200	19,650	22,850	18,750	10,860
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	28,720	40,475	29,350	44,155	20,830	45,200	27,000	26,100	23,500	20,760
Number of New Issuers	-	1	1	-	1	-	-	2	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1

5.2.20 JAPAN

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total Outstanding	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	1,890	2,815	2,883	2,938
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	-	1,695	2,507	3,291	2,850
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,250	4,100	4,850	4,850
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	-	1,335	1,222	1,324	938
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Outstanding fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Outstanding floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Outstanding other	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	3,585	5,322	6,174	5,788
Number of Programmes	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	2	2	2
Number of Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	2	2	2
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	890	1,000	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	-	1,695	850	750	-
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	1,250	1,850	750	-
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	-	1,335	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Issuance fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Issuance floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Issuance other	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	2,585	1,850	750	-
Number of New Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	-	1	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-

5.2.21 LATVIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	-	-	-	-	-	-	-	-	-	-
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Outstanding fixed coupon	-	-	-	-	-	-	-	-	-	-
Outstanding floating coupon	-	-	-	-	-	-	-	-	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Number of Programmes	-	-	-	-	-	-	-	-	-	-
Number of Issuers	-	-	-	-	-	-	-	-	-	-
Of which, Sustainable Issuers	-	-	-	-	-	-	-	-	-	-
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	-	-	-	-	-	-	-	-	-	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Issuance fixed coupon	-	-	-	-	-	-	-	-	-	-
Issuance floating coupon	-	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	1
Number of New Sustainable Issuers	-	-	-	-	-	-	-	-	-	n.a.

5.2.22 LUXEMBOURG

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	21,708	16,002	10,166	7,864	6,905	6,103	6,290	5,767	5,022	4,595
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	300	300	300
Total Outstanding	21,708	16,002	10,166	7,864	6,905	6,103	6,290	6,067	5,322	4,895
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	300	300	300
Public Placement										
Benchmark (1bn and above)	1,000	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	973	2,781	2,310	2,810	2,068	2,579	2,530	1,500	1,500
Others (below 500Mio)	10,052	8,041	1,150	810	440	375	438	583	525	518
Private Placement	10,656	6,987	6,235	4,744	3,655	3,660	3,273	2,954	3,297	2,877
Total	21,708	16,002	10,166	7,864	6,905	6,103	6,290	6,067	5,322	4,895
Denominated in EURO	12,925	8,226	5,578	5,360	4,267	4,057	4,350	4,533	3,988	3,945
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	8,783	7,775	4,589	2,504	2,638	2,046	1,940	1,534	1,334	950
Total	21,708	16,002	10,166	7,864	6,905	6,103	6,290	6,067	5,322	4,895
Hard Bullet	21,708	16,002	10,166	7,864	6,905	6,103	6,290	5,767	5,022	4,595
Soft Bullet	-	-	-	-	-	-	-	300	300	300
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	21,708	16,002	10,166	7,864	6,905	6,103	6,290	6,067	5,322	4,895
Outstanding fixed coupon	13,182	11,417	8,250	6,589	6,509	5,973	6,044	5,831	4,598	4,146
Outstanding floating coupon	7,080	3,802	1,710	816	142	116	118	222	131	138
Outstanding other	1,445	783	206	460	254	14	128	14	593	611
Total	21,708	16,002	10,166	7,864	6,905	6,103	6,290	6,067	5,322	4,895
Number of Programmes	6	5	3	3	3	3	2	3	3	2
Number of Issuers	6	5	3	3	3	3	2	2	2	1
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	1
Issuance (in EUR million)										
Total Covered Bonds Issuance										
Public Sector	825	398	1,220	655	744	726	525	512	375	-
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	300	-	-
Total Issuance	825	398	1,220	655	744	726	525	812	375	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	300	-	-
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	1,000	500	500	568	500	500	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	300	-	-
Private Placement	825	398	220	155	244	158	25	12	375	-
Total	825	398	1,220	655	744	726	525	812	375	-
Denominated in EURO	825	233	1,220	655	640	158	525	812	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	165	-	-	104	568	-	-	375	-
Total	825	398	1,220	655	744	726	525	812	375	-
Hard Bullet	825	398	1,220	655	744	726	525	512	375	-
Soft Bullet	-	-	-	-	-	-	-	300	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	825	398	1,220	655	744	726	525	812	375	-
Issuance fixed coupon	-	398	1,205	655	744	726	525	812	375	-
Issuance floating coupon	825	-	15	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	825	398	1,220	655	744	726	525	812	375	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	-	-

5.2.23 THE NETHERLANDS

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,505	172,181	197,002
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,505	172,181	197,002
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500
Public Placement										
Benchmark (1bn and above)	44,188	40,335	37,228	38,773	40,001	42,330	46,730	44,617	45,944	48,995
Benchmark (500mio - below 1bn)	1,000	1,000	2,750	4,750	7,750	10,500	13,875	15,625	18,825	19,850
Others (below 500Mio)	2,281	2,329	1,523	1,211	812	399	415	417	339	355
Private Placement	13,547	15,158	19,600	22,870	24,317	41,568	57,949	93,846	107,073	127,802
Total	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,505	172,181	197,002
Denominated in EURO	55,362	53,030	55,897	63,694	69,722	91,990	116,103	152,002	169,913	196,147
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	5,653	5,792	5,204	3,910	3,158	2,807	2,866	2,503	2,268	855
Total	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,505	172,181	197,002
Hard Bullet	53,938	53,303	17,557	16,151	15,038	12,762	12,400	11,170	9,892	8,007
Soft Bullet	6,576	4,519	40,793	47,203	51,092	73,786	95,924	132,439	150,394	180,695
Conditional Pass Through	501	1,000	2,751	4,250	6,750	8,250	10,645	10,895	11,895	8,300
Total	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,505	172,181	197,002
Outstanding fixed coupon	60,016	57,874	59,152	62,191	67,868	87,285	112,032	147,677	165,546	194,402
Outstanding floating coupon	959	928	1,928	5,392	4,992	7,492	6,917	6,807	6,615	2,580
Outstanding other	40	20	20	20	20	20	20	20	20	20
Total	61,015	58,822	61,101	67,604	72,880	94,797	118,969	154,504	172,181	197,002
Number of Programmes	6	5	8	8	10	11	13	14	17	18
Number of Issuers	5	5	7	7	9	9	9	9	9	9
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	500
Public Placement										
Benchmark (1bn and above)	2,750	1,500	1,750	3,500	6,750	7,770	6,375	4,250	4,975	7,800
Benchmark (500mio - below 1bn)	500	500	1,750	2,000	3,000	3,250	4,625	2,500	3,200	2,850
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	1,228	1,910	4,408	4,408	2,175	17,694	17,388	37,263	28,530	27,306
Total	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Denominated in EURO	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Hard Bullet	3,977	3,235	-	-	-	-	30	-	-	-
Soft Bullet	-	-	6,157	8,408	9,425	26,714	25,463	43,013	35,705	37,956
Conditional Pass Through	501	675	1,751	1,500	2,500	2,000	2,895	1,000	1,000	-
Total	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Issuance fixed coupon	4,398	3,895	6,908	6,333	11,925	28,714	28,388	44,013	36,705	37,956
Issuance floating coupon	80	15	1,000	3,575	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	4,478	3,910	7,908	9,908	11,925	28,714	28,388	44,013	36,705	37,956
Number of New Issuers	-	-	2	-	2	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	1

5.2.24 NEW ZEALAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1,000
Benchmark (500mio - below 1bn)	3,954	5,472	5,470	6,750	6,750	7,000	7,500	7,000	7,450	9,150
Others (below 500Mio)	1,436	1,347	788	605	555	134	138	315	320	319
Private Placement	461	645	891	1,322	883	669	380	377	381	179
Total	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Denominated in EURO	5,500	7,000	7,200	8,950	8,950	9,200	9,700	9,200	9,650	10,150
Denominated in domestic currency	940	1,014	879	1,122	683	469	180	177	181	179
Denominated in other currencies	1,411	1,449	1,070	605	555	134	138	315	320	319
Total	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Hard Bullet	5,979	6,839	5,061	2,889	932	293	-	-	-	-
Soft Bullet	1,872	2,625	4,088	7,788	9,256	9,510	10,018	9,692	10,151	10,648
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Outstanding fixed coupon	7,244	8,834	8,961	10,479	10,010	9,627	10,018	9,377	9,831	10,329
Outstanding floating coupon	607	630	188	198	178	176	-	315	320	319
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	7,851	9,464	9,149	10,677	10,188	9,803	10,018	9,692	10,151	10,648
Number of Programmes	5	5	5	5	5	5	5	5	5	5
Number of Issuers	5	5	5	5	5	5	5	5	5	5
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	1,000	1,000	-	-	-	-	-
Benchmark (500mio - below 1bn)	1,000	750	1,250	2,500	1,250	1,250	1,250	-	2,450	2,250
Others (below 500Mio)	122	-	-	-	-	-	-	315	-	-
Private Placement	-	-	200	198	-	-	-	-	-	-
Total	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Denominated in EURO	1,000	750	1,450	3,500	2,250	1,250	1,250	-	2,450	2,250
Denominated in domestic currency	-	-	-	198	-	-	-	-	-	-
Denominated in other currencies	122	-	-	-	-	-	-	315	-	-
Total	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Issuance fixed coupon	1,122	750	1,450	3,698	2,250	1,250	1,250	-	2,450	2,250
Issuance floating coupon	-	-	-	-	-	-	-	315	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	1,122	750	1,450	3,698	2,250	1,250	1,250	315	2,450	2,250
Number of New Issuers	1	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.25 NORWAY

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	2,035	1,820	1,672	2,199	1,824	1,784	1,886	2,580	1,953	1,969
Mortgage	105,202	102,704	107,694	113,051	113,359	119,398	123,023	131,713	130,030	133,012
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	107,237	104,524	109,366	115,251	115,183	121,182	124,909	134,294	131,983	134,981
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,009	7,302	11,545	13,007
Public Placement										
Benchmark (1bn and above)	47,342	51,185	46,834	52,192	49,390	53,375	53,088	56,930	54,201	61,183
Benchmark (500mio - below 1bn)	18,471	14,523	18,953	21,430	30,183	29,086	34,650	38,590	42,000	38,206
Others (below 500Mio)	31,763	26,434	32,463	32,681	26,212	29,305	25,651	27,318	26,444	25,038
Private Placement	9,661	12,382	11,116	8,947	9,397	9,416	11,520	11,456	9,338	10,553
Total	107,237	104,524	109,366	115,251	115,183	121,182	124,909	134,294	131,983	134,981
Denominated in EURO	44,510	49,928	51,537	55,256	56,257	60,396	63,004	62,929	62,172	61,181
Denominated in domestic currency	49,965	41,502	44,081	50,159	49,490	52,640	54,385	64,171	62,447	68,951
Denominated in other currencies	12,762	13,094	13,748	9,837	9,435	8,145	7,520	7,195	7,363	4,849
Total	107,237	104,524	109,366	115,251	115,183	121,182	124,909	134,294	131,983	134,981
Hard Bullet	n.a.	n.a.	n.a.	8,232	8,484	7,646	7,286	8,724	6,713	6,393
Soft Bullet	n.a.	n.a.	n.a.	107,019	106,699	113,535	117,623	125,570	125,270	128,587
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	107,237	104,524	109,366	115,251	115,183	121,182	124,909	134,294	131,983	134,981
Outstanding fixed coupon	63,088	66,831	70,368	68,106	68,908	71,896	75,935	74,174	73,405	70,063
Outstanding floating coupon	44,148	37,694	38,998	47,146	45,246	49,285	48,974	60,120	58,578	64,917
Outstanding other	-	-	-	-	1,029	-	-	-	-	-
Total	107,236	104,524	109,366	115,251	115,183	121,182	124,909	134,294	131,983	134,981
Number of Programmes	23	23	27	28	29	28	27	26	26	26
Number of Issuers	22	22	24	25	25	24	24	24	24	23
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5	8	13	14
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	239	664	312	781	457	332	608	382	551	399
Mortgage	18,339	14,474	17,750	23,058	21,256	24,331	20,766	29,686	20,466	34,217
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	18,578	15,138	18,063	23,839	21,713	24,663	21,374	30,068	21,017	34,616
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,509	2,795	2,528	1,862
Public Placement										
Benchmark (1bn and above)	7,441	6,823	4,937	9,143	7,699	10,595	7,584	9,847	7,730	22,878
Benchmark (500mio - below 1bn)	1,458	2,157	4,346	6,400	6,767	6,049	8,548	11,368	8,395	6,390
Others (below 500Mio)	8,267	5,082	8,574	7,115	6,295	7,304	4,633	4,596	4,338	4,801
Private Placement	1,412	1,076	206	1,181	951	716	608	4,257	554	547
Total	18,578	15,138	18,063	23,839	21,713	24,663	21,374	30,068	21,017	34,616
Denominated in EURO	8,382	4,590	6,773	10,342	9,688	11,618	8,150	5,918	8,498	8,555
Denominated in domestic currency	7,546	9,854	9,206	12,807	9,675	11,465	12,295	23,115	11,625	25,848
Denominated in other currencies	2,651	694	2,084	690	2,350	1,580	929	1,036	894	213
Total	18,578	15,138	18,063	23,839	21,713	24,663	21,374	30,068	21,017	34,616
Hard Bullet	n.a.	n.a.	n.a.	196	633	1,167	30	747	-	130
Soft Bullet	n.a.	n.a.	n.a.	23,643	21,080	23,496	21,344	29,321	21,017	34,486
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	18,578	15,138	18,063	23,839	21,713	24,663	21,374	30,068	21,017	34,616
Issuance fixed coupon	11,423	3,475	9,173	10,719	11,896	13,992	10,375	5,898	9,068	10,218
Issuance floating coupon	7,155	11,519	8,748	12,525	9,817	10,671	10,999	24,170	11,949	24,398
Issuance other	-	144	142	594	-	-	-	-	-	-
Total	18,578	15,138	18,063	23,839	21,713	24,663	21,374	30,068	21,017	34,616
Number of New Issuers	-	1	2	1	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	2	5	1

Note: The breakdown for public/private issuance may be based on different definitions with the ECBC guidelines.

5.2.26 PANAMA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	218	247	276	80	-	10	46	42	46	21
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	218	247	276	80	-	10	46	42	46	21
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	218	247	276	80	-	-	-	-	-	-
Private Placement	-	-	-	-	-	10	46	42	46	21
Total	218	247	276	80	-	10	46	42	46	21
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	218	247	276	80	-	10	46	42	46	21
Total	218	247	276	80	-	10	46	42	46	21
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	218	247	276	80	-	10	46	42	46	21
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	218	247	276	80	-	10	46	42	46	21
Outstanding fixed coupon	218	247	276	80	-	10	46	42	46	21
Outstanding floating coupon	-	-	-	-	-	-	-	-	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	218	247	276	80	-	10	46	42	46	21
Number of Programmes	1	1	1	1	-	1	1	1	1	1
Number of Issuers	1	1	1	1	-	1	1	1	1	1
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	73	-	-	-	-	10	36	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	73	-	-	-	-	10	36	-	-	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	73	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	10	36	-	-	-
Total	73	-	-	-	-	10	36	-	-	-
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	73	-	-	-	-	10	36	-	-	-
Total	73	-	-	-	-	10	36	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	73	-	-	-	-	10	36	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	73	-	-	-	-	10	36	-	-	-
Issuance fixed coupon	73	-	-	-	-	10	36	-	-	-
Issuance floating coupon	-	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	73	-	-	-	-	10	36	-	-	-
Number of New Issuers	-	-	-	-	-	1	1	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.27 POLAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	84	82	35	-	-	79	71	58	49	40
Mortgage	707	882	1,230	2,216	3,959	4,925	6,111	5,776	5,000	4,467
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	791	964	1,266	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	211	197	196	692
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	500	1,500	2,000	2,700	2,700	2,100	2,000
Others (below 500Mio)	791	964	1,266	1,556	2,284	2,846	3,332	2,997	2,691	2,165
Private Placement	-	-	-	-	175	158	150	137	258	343
Total	791	964	1,266	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Denominated in EURO	117	250	378	1,046	2,170	2,882	3,841	3,806	3,076	2,802
Denominated in domestic currency	674	714	888	1,170	1,789	2,122	2,340	2,028	1,973	1,705
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	791	964	1,266	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Hard Bullet	791	964	1,266	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Total	791	964	1,266	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Outstanding fixed coupon	30	107	139	721	1,990	2,781	3,782	3,756	3,039	2,765
Outstanding floating coupon	761	857	1,127	1,495	1,969	2,223	2,399	2,077	2,010	1,742
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	791	964	1,266	2,216	3,959	5,004	6,181	5,834	5,049	4,507
Number of Programmes	3	3	4	3	3	3	5	5	5	5
Number of Issuers	2	2	3	3	3	3	4	4	4	4
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	2	2	2
Issuance (in EUR million)										
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	79	-	-	-	-
Mortgage	116	269	416	1,099	2,048	1,244	1,284	22	454	650
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	116	269	416	1,099	2,048	1,323	1,284	22	454	650
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	211	-	-	500
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	500	1,000	500	700	-	-	500
Others (below 500Mio)	116	269	416	439	801	744	534	22	323	-
Private Placement	-	-	-	160	247	79	50	-	131	150
Total	116	269	416	1,099	2,048	1,323	1,284	22	454	650
Denominated in EURO	96	135	127	668	1,204	800	1,050	-	-	500
Denominated in domestic currency	20	135	290	431	844	523	234	22	454	150
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	116	269	416	1,099	2,048	1,323	1,284	22	454	650
Hard Bullet	116	269	416	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	1,099	2,048	1,323	1,284	22	454	650
Total	116	269	416	1,099	2,048	1,323	1,284	22	454	650
Issuance fixed coupon	30	78	31	582	1,267	814	1,000	-	-	500
Issuance floating coupon	86	192	385	517	781	509	284	22	454	150
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	116	269	416	1,099	2,048	1,323	1,284	22	454	650
Number of New Issuers	-	-	1	-	-	-	1	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	-	-	-

For the Polish issuer community a placement is considered public when there is one external lead involved and not at least two as per the underlying definition of the Fact Book. This is the reason why there is a discrepancy between the Fact Book and Covered Bond Label statistics for Poland.

5.2.28 PORTUGAL

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	1,200	400	500	500	600	600	600	600	600	600
Mortgage	36,016	33,711	34,461	32,970	35,530	35,795	36,600	38,350	38,150	35,900
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	9,706	8,656	6,906	4,500	5,000	5,000	5,000	4,000	4,000	2,000
Benchmark (500mio - below 1bn)	750	1,500	3,000	3,000	3,750	3,000	2,500	1,750	1,750	1,000
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	26,760	23,955	25,055	25,970	27,380	28,395	29,700	33,200	33,000	33,500
Total	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Denominated in EURO	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Hard Bullet	300	300	300	-	-	-	-	-	-	-
Soft Bullet	36,916	33,811	30,961	27,020	29,630	29,895	29,400	31,150	30,950	28,700
Conditional Pass Through	-	-	-	6,450	6,500	6,500	7,800	7,800	7,800	7,800
Total	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Outstanding fixed coupon	10,516	10,966	11,466	10,260	12,970	12,200	12,800	12,550	12,350	9,600
Outstanding floating coupon	26,700	23,145	23,495	23,210	23,160	24,195	24,400	26,400	26,400	26,900
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	37,216	34,111	34,961	33,470	36,130	36,395	37,200	38,950	38,750	36,500
Number of Programmes	11	10	11	10	9	7	7	7	7	7
Number of Issuers	9	9	9	8	8	7	6	6	6	6
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	100	150	350	-	-	-	-	450
Mortgage	4,500	3,825	8,675	5,950	8,200	2,350	4,800	1,500	-	3,550
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	-	1,000	1,000	-	3,000	-	-	-	-	-
Benchmark (500mio - below 1bn)	750	1,500	750	-	750	-	1,000	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	3,750	1,325	7,025	6,100	4,800	2,350	3,800	1,500	-	4,000
Total	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Denominated in EURO	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	4,000	3,825	4,575	4,350	7,550	2,350	3,000	1,500	-	3,250
Conditional Pass Through	500	-	4,200	1,750	1,000	-	1,800	-	-	750
Total	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Issuance fixed coupon	750	3,250	2,500	3,700	5,500	-	2,100	1,500	-	750
Issuance floating coupon	3,750	575	6,275	2,400	3,050	2,350	2,700	-	-	3,250
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	4,500	3,825	8,775	6,100	8,550	2,350	4,800	1,500	-	4,000
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.29 ROMANIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total Outstanding	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Outstanding fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Outstanding floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Outstanding other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	200	200
Number of Programmes	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	1	1
Number of Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	1	1
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Mortgage	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Ships	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Others	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Others (below 500Mio)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Private Placement	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Denominated in EURO	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Denominated in domestic currency	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Denominated in other currencies	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Hard Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Conditional Pass Through	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Issuance fixed coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Issuance floating coupon	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	200	-	-	-
Issuance other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-
Number of New Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.30 SINGAPORE

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	-	-	-	-	-	-	-	-
Mortgage	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,815	11,087	12,423
Ships	n.a.	n.a.	-	-	-	-	-	-	-	-
Others	n.a.	n.a.	-	-	-	-	-	-	-	-
Total Outstanding	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,815	11,087	12,423
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	919	949	834	1,092	1,113	2,019	3,202	5,992
Benchmark (500mio - below 1bn)	n.a.	n.a.	-	1,014	4,644	7,282	7,783	6,797	7,886	6,176
Others (below 500Mio)	n.a.	n.a.	-	-	98	92	94	-	-	254
Private Placement	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,815	11,087	12,423
Denominated in EURO	n.a.	n.a.	-	500	3,250	5,250	5,250	6,250	7,250	8,000
Denominated in domestic currency	n.a.	n.a.	-	-	-	-	-	-	-	-
Denominated in other currencies	n.a.	n.a.	919	1,463	2,326	3,216	3,740	2,565	3,837	4,423
Total	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,815	11,087	12,423
Hard Bullet	n.a.	n.a.	-	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,816	11,087	12,423
Conditional Pass Through	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,816	11,087	12,423
Outstanding fixed coupon	n.a.	n.a.	919	1,449	4,598	6,871	7,347	7,676	7,691	9,660
Outstanding floating coupon	n.a.	n.a.	-	514	977	1,596	1,643	1,139	3,396	2,762
Outstanding other	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,963	5,576	8,466	8,990	8,815	11,087	12,423
Number of Programmes	n.a.	n.a.	1	2	3	3	3	3	3	3
Number of Issuers	n.a.	n.a.	1	2	3	3	3	3	3	3
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)										
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	-	-	-	-	-	-	-	-
Mortgage	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Ships	n.a.	n.a.	-	-	-	-	-	-	-	-
Others	n.a.	n.a.	-	-	-	-	-	-	-	-
Total Issuance	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	919	-	-	1,092	-	1,000	2,202	2,906
Benchmark (500mio - below 1bn)	n.a.	n.a.	-	1,014	3,656	2,671	914	-	1,500	750
Others (below 500Mio)	n.a.	n.a.	-	-	98	-	-	-	-	254
Private Placement	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Denominated in EURO	n.a.	n.a.	-	500	2,750	2,000	-	1,000	1,500	2,250
Denominated in domestic currency	n.a.	n.a.	-	-	-	-	-	-	-	-
Denominated in other currencies	n.a.	n.a.	919	514	1,003	1,762	914	-	2,202	1,660
Total	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Hard Bullet	n.a.	n.a.	-	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Conditional Pass Through	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Issuance fixed coupon	n.a.	n.a.	919	500	3,265	3,092	445	1,000	1,500	3,910
Issuance floating coupon	n.a.	n.a.	-	514	489	671	469	-	2,202	-
Issuance other	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	919	1,014	3,753	3,762	914	1,000	3,702	3,910
Number of New Issuers	-	-	1	1	1	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

5.2.31 SLOVAKIA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	2,000	2,500	3,500	5,000
Others (below 500Mio)	1,477	1,197	927	-	-	-	1,050	1,050	1,050	1,050
Private Placement	2,590	2,742	3,271	4,197	5,118	4,858	3,608	3,787	4,301	5,332
Total	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Denominated in EURO	3,925	3,814	4,094	4,076	5,036	4,810	6,658	7,337	8,851	11,382
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	142	124	104	121	82	48	-	-	-	-
Total	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Hard Bullet	4,067	3,939	4,198	4,197	5,118	4,058	3,608	2,787	2,301	263
Soft Bullet	-	-	-	-	-	800	3,050	4,550	6,550	11,119
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Outstanding fixed coupon	2,611	2,754	3,262	3,197	4,235	4,372	6,358	7,337	8,851	10,132
Outstanding floating coupon	1,451	1,185	936	995	883	486	300	-	-	1,250
Outstanding other	5	-	-	5	-	-	-	-	-	-
Total	4,067	3,939	4,198	4,197	5,118	4,858	6,658	7,337	8,851	11,382
Number of Programmes	8	8	8	8	6	6	6	6	6	7
Number of Issuers	8	8	8	8	6	6	6	6	6	7
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	2,000	500	1,000	1,500
Others (below 500Mio)	167	154	-	-	-	-	250	-	-	-
Private Placement	674	500	1,159	751	1,316	800	-	1,000	1,000	1,750
Total	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Denominated in EURO	815	654	1,159	685	1,316	800	2,250	1,500	2,000	3,250
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	26	-	-	66	-	-	-	-	-	-
Total	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Hard Bullet	841	654	1,159	751	1,316	-	-	-	-	-
Soft Bullet	-	-	-	-	-	800	2,250	1,500	2,000	3,250
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Issuance fixed coupon	757	585	940	690	1,316	800	2,250	1,500	2,000	2,000
Issuance floating coupon	84	69	219	56	-	-	-	-	-	1,250
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	841	654	1,159	751	1,316	800	2,250	1,500	2,000	3,250
Number of New Issuers	-	-	-	-	-	-	-	-	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1

5.2.32 SOUTH KOREA

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	500	1,000	3,000	5,550	7,642
Public Placement										
Benchmark (1bn and above)	725	-	-	-	-	-	-	1,000	2,000	2,000
Benchmark (500mio - below 1bn)	1,088	1,235	1,837	2,372	2,501	2,684	3,284	3,222	3,992	5,150
Others (below 500Mio)	-	-	-	118	117	-	-	-	-	-
Private Placement	723	113	117	-	-	87	2,957	3,706	3,974	4,472
Total	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Denominated in EURO	-	-	-	-	-	500	1,000	3,000	5,550	7,150
Denominated in domestic currency	723	113	117	118	117	-	2,869	3,706	3,974	3,980
Denominated in other currencies	1,813	1,235	1,837	2,372	2,501	2,271	2,372	1,222	442	492
Total	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Hard Bullet	2,536	1,349	1,495	1,541	1,785	1,810	5,220	7,021	8,466	9,622
Soft Bullet	-	-	459	949	833	961	1,021	907	1,500	2,000
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Outstanding fixed coupon	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Outstanding floating coupon	-	-	-	-	-	-	-	-	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	2,536	1,349	1,954	2,490	2,619	2,771	6,241	7,928	9,966	11,622
Number of Programmes	2	1	2	2	2	2	5	6	7	7
Number of Issuers	2	1	2	2	2	2	5	6	7	7
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	1	2	3	3
Issuance (in EUR million)										
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	500	500	2,000	2,550	2,092
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	1,000	1,000	-
Benchmark (500mio - below 1bn)	363	-	919	949	417	500	500	1,000	1,550	1,600
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	103	-	-	-	-	87	2,869	921	297	492
Total	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Denominated in EURO	-	-	-	-	-	500	500	2,000	2,550	1,600
Denominated in domestic currency	466	-	-	-	-	-	2,869	921	297	-
Denominated in other currencies	-	-	919	949	417	87	-	-	-	492
Total	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Hard Bullet	466	-	459	474	417	500	3,369	2,421	1,847	1,592
Soft Bullet	-	-	459	474	-	87	-	500	1,000	500
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Issuance fixed coupon	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Issuance floating coupon	-	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	466	-	919	949	417	587	3,369	2,921	2,847	2,092
Number of New Issuers	-	-	1	-	-	-	3	1	1	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	1	-	1	1	-

5.2.33 SPAIN

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	30,352	25,495	28,505	26,887	25,362	18,362	20,763	18,262	17,544	12,585
Mortgage	334,572	282,568	252,383	232,456	216,498	213,253	220,689	231,143	216,808	188,958
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	1,500	7,397	8,522	7,300
Total Outstanding	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	208,843
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,000	2,100	2,800	3,300
Public Placement										
Benchmark (1bn and above)	211,343	172,344	156,845	129,777	107,096	96,706	89,506	83,910	72,246	63,346
Benchmark (500mio - below 1bn)	14,098	10,714	11,690	12,190	10,190	9,850	4,410	3,510	3,460	2,800
Others (below 500Mio)	-	-	-	-	-	-	5,000	6,282	4,000	4,000
Private Placement	139,483	125,006	112,352	117,376	124,574	125,059	144,036	163,100	163,169	138,697
Total	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	208,843
Denominated in EURO	363,731	306,522	279,969	258,395	241,860	231,615	242,319	252,946	237,833	203,469
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	1,193	1,541	919	949	-	-	633	3,856	5,041	5,374
Total	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	208,843
Hard Bullet	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	199,993
Soft Bullet	-	-	-	-	-	-	-	-	-	8,850
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	208,843
Outstanding fixed coupon	260,831	200,975	181,033	160,646	138,141	126,806	127,707	135,264	116,481	94,122
Outstanding floating coupon	103,631	107,088	99,855	98,698	103,299	104,450	115,245	121,538	126,394	114,721
Outstanding other	462	-	-	-	421	359	-	-	-	-
Total	364,924	308,063	280,888	259,344	241,860	231,615	242,952	256,802	242,874	208,843
Number of Programmes	40	39	40	35	33	31	29	26	26	27
Number of Issuers	32	31	31	28	26	24	23	21	19	21
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	2	3	3
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	5,895	1,853	10,400	7,250	350	800	800	2,900	1,000	2,000
Mortgage	22,919	23,038	31,375	31,393	30,000	19,935	19,435	14,560	12,720	22,350
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	1,500	5,897	880	-
Total Issuance	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	24,350
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	100	700	500
Public Placement										
Benchmark (1bn and above)	7,000	8,250	15,000	11,536	2,600	3,625	5,750	3,500	-	4,500
Benchmark (500mio - below 1bn)	4,840	500	4,750	2,000	-	1,500	750	-	700	750
Others (below 500Mio)	-	-	-	-	-	-	500	-	-	500
Private Placement	16,974	16,141	22,025	25,107	27,750	15,610	14,735	19,857	13,900	18,600
Total	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	24,350
Denominated in EURO	28,814	24,891	41,775	38,643	30,350	20,735	21,735	20,260	13,720	24,350
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	3,097	880	-
Total	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	24,350
Hard Bullet	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	17,100
Soft Bullet	-	-	-	-	-	-	-	-	-	7,250
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	24,350
Issuance fixed coupon	16,169	8,800	23,837	25,043	10,198	5,821	7,760	9,060	12,970	6,750
Issuance floating coupon	12,445	16,091	17,938	13,600	20,152	14,914	13,975	14,297	1,630	17,600
Issuance other	200	-	-	-	-	-	-	-	-	-
Total	28,814	24,891	41,775	38,643	30,350	20,735	21,735	23,357	14,600	24,350
Number of New Issuers	-	-	2	-	-	-	-	-	-	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	1	-

Source: AIAF, Bloomberg, Reuters, Moody's, Fitch, S&P, ECBC

Note: Please note that the breakdown public vs private placements is an estimation made by the ECBC.

Please also note that the methodology used for counting the number of issuers has changed. Until 2011, the number of "new issuers" included the new financial institutions established as part of the restructuring of the Spanish banking sector whose inaugural issue occurred during the year of reporting. The number of issuers also included all the former financial institutions with outstanding covered bonds at the end of each year - even if, as a consequence of the aforementioned restructuring, they were integrated into a new one - along with the new institutions. From 2012 onwards, however, only the new entities are reported as active issuers.

5.2.34 SWEDEN

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,362	1,668	1,633	2,045
Public Placement										
Benchmark (1bn and above)	173,333	163,281	172,823	177,385	173,105	171,336	185,661	196,370	191,639	179,609
Benchmark (500mio - below 1bn)	10,775	12,149	14,836	13,623	16,212	18,046	20,876	17,916	19,504	17,492
Others (below 500Mio)	26,071	26,047	24,859	22,918	23,432	18,117	18,312	21,227	19,731	20,514
Private Placement	7,676	8,364	9,472	8,518	6,463	10,481	10,262	12,200	11,145	7,597
Total	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Denominated in EURO	39,423	36,108	37,931	38,224	39,094	43,610	47,301	44,962	39,929	37,167
Denominated in domestic currency	161,651	156,791	165,682	167,831	165,874	164,307	178,854	195,770	195,817	184,564
Denominated in other currencies	16,780	16,942	18,377	16,389	14,244	10,062	8,956	6,982	6,272	3,481
Total	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Hard Bullet	217,854	208,848	216,945	214,177	207,424	203,566	217,145	234,715	224,354	200,640
Soft Bullet	-	993	5,045	8,267	11,788	14,413	17,966	12,998	17,664	24,571
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Outstanding fixed coupon	195,770	187,395	200,034	201,061	199,424	200,840	215,500	219,770	215,532	201,503
Outstanding floating coupon	22,055	22,432	21,956	21,383	19,788	17,139	19,611	27,943	26,487	23,709
Outstanding other	29	14	-	-	-	-	-	-	-	-
Total	217,854	209,842	221,990	222,444	219,212	217,979	235,111	247,713	242,018	225,212
Number of Programmes	10	10	9	10	10	12	12	12	13	13
Number of Issuers	8	8	8	8	8	10	10	10	11	12
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	2	2	3
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	859	249	-	539
Public Placement										
Benchmark (1bn and above)	35,519	34,881	47,756	37,508	30,206	34,876	34,618	38,196	44,844	37,465
Benchmark (500mio - below 1bn)	6,753	5,989	5,608	7,360	7,766	10,715	8,140	1,124	3,877	3,474
Others (below 500Mio)	8,276	5,883	6,410	6,895	10,315	6,027	9,241	10,936	4,586	4,449
Private Placement	1,086	1,672	955	424	237	2,582	1,258	2,966	3,934	2,848
Total	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Denominated in EURO	5,745	6,531	10,066	7,065	11,689	5,620	7,814	3,855	9,104	6,458
Denominated in domestic currency	41,220	39,866	47,364	43,741	34,981	46,375	44,388	47,027	45,083	41,780
Denominated in other currencies	4,668	2,027	3,299	1,381	1,855	2,204	1,055	2,340	3,053	-
Total	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Hard Bullet	51,633	47,464	56,642	50,005	44,881	50,571	49,125	51,646	54,462	40,271
Soft Bullet	-	960	4,087	2,182	3,643	3,628	4,134	1,576	2,779	7,966
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Issuance fixed coupon	42,949	41,346	54,618	46,046	44,358	47,056	46,947	41,349	45,544	40,354
Issuance floating coupon	8,684	7,077	6,111	6,141	4,166	7,143	6,311	11,873	11,697	7,884
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	51,633	48,424	60,729	52,187	48,525	54,199	53,258	53,222	57,240	48,238
Number of New Issuers	1	-	-	-	-	2	-	-	1	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	-	-	1

Note: In the Swedish domestic market it is common practice to tap issue and to buy back issuances if the bond has a maturity of less than 12-18 months. In order to best represent the liquidity of the market, tapped issuance which per ECBC definition fall under private placement have been considered as public placement according to the benchmark of their yearly cumulative issuance and their size of outstanding volume. This explains the discrepancy between the figures of the Fact Book and the Covered Bond Label.

5.2.35 SWITZERLAND

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Outstanding CBs - Pfandbriefe	71,716	78,468	95,940	105,012	101,962	110,556	120,798	131,702	146,014	164,529
Outstanding CBs - Structured	17,348	21,967	15,602	12,553	9,670	8,867	7,450	8,914	6,811	9,928
Total Outstanding	89,064	100,436	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	145	249
Public Placement										
Benchmark (1bn and above)	17,120	21,133	14,898	11,500	8,750	7,500	4,750	4,750	2,252	8,146
Benchmark (500mio - below 1bn)	6,218	40,767	60,457	64,107	59,627	74,316	83,100	94,691	111,959	119,039
Others (below 500Mio)	61,351	37,701	35,483	41,247	42,549	37,505	39,727	40,403	35,597	43,729
Private Placement	4,376	834	704	710	706	101	671	773	3,017	3,544
Total	89,064	100,436	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Denominated in EURO	11,500	15,350	13,100	12,100	9,350	8,101	5,350	5,350	1,850	1,318
Denominated in domestic currency	71,716	78,468	95,940	105,012	102,176	111,221	122,827	135,200	150,905	173,073
Denominated in other currencies	5,848	6,617	2,502	453	106	100	71	67	70	67
Total	89,064	100,436	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Hard Bullet	n.a.	n.a.	n.a.	105,464	102,068	111,256	121,398	132,302	146,614	165,097
Soft Bullet	n.a.	n.a.	n.a.	12,100	9,564	8,167	6,850	8,315	6,211	9,360
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	89,064	100,436	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Outstanding fixed coupon	89,064	100,312	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Outstanding floating coupon	-	124	-	-	-	-	-	-	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	89,064	100,436	111,542	117,564	111,632	119,422	128,248	140,617	152,825	174,458
Number of Programmes	4	4	4	4	5	5	6	8	8	8
Number of Issuers	4	4	4	4	5	5	6	7	7	8
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1
Issuance (in EUR million)										
Total Covered Bonds Issuance										
New Issues of CBs - Pfandbriefe	12,568	13,343	15,840	16,106	12,708	13,282	14,022	19,050	17,952	21,211
New Issues of CBs - Structured	1,015	5,850	-	-	214	444	1,338	1,458	1,345	4,279
Total Issuance	13,583	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	145	104
Public Placement										
Benchmark (1bn and above)	906	5,250	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	2,171	4,562	8,822	3,850	2,437	2,983	2,036	5,453	6,202	7,944
Others (below 500Mio)	10,397	8,782	7,018	12,256	10,485	10,742	13,324	14,949	12,403	14,636
Private Placement	109	600	-	-	-	-	-	106	692	2,910
Total	13,583	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Denominated in EURO	-	5,850	-	-	-	-	-	-	-	750
Denominated in domestic currency	12,568	13,343	15,840	16,106	12,922	13,725	15,360	20,508	19,297	24,740
Denominated in other currencies	1,015	-	-	-	-	-	-	-	-	-
Total	13,583	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Hard Bullet	n.a.	n.a.	n.a.	16,106	12,708	13,282	14,022	19,050	17,952	21,211
Soft Bullet	n.a.	n.a.	n.a.	-	214	444	1,338	1,458	1,345	4,279
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	13,583	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Issuance fixed coupon	13,474	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Issuance floating coupon	109	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	13,583	19,193	15,840	16,106	12,922	13,725	15,360	20,508	19,297	25,490
Number of New Issuers	-	-	-	-	1	-	1	1	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	-

Note: from 2008 only Limmat bonds are considered as "Private Placements"

5.2.36 TURKEY

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	n.a.	n.a.	-	-	-	-	-	-	-	-
Mortgage	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Ships	n.a.	n.a.	-	-	-	-	-	-	-	-
Others	n.a.	n.a.	-	-	-	-	-	-	-	-
Total Outstanding	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	-	500	500	500	500	500	-	-
Others (below 500Mio)	n.a.	n.a.	-	-	-	-	-	-	-	280
Private Placement	n.a.	n.a.	128	128	1,423	1,834	2,060	1,255	895	-
Total	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Denominated in EURO	n.a.	n.a.	-	500	500	500	-	500	-	-
Denominated in domestic currency	n.a.	n.a.	128	128	1,423	1,834	2,560	1,255	895	280
Denominated in other currencies	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Hard Bullet	n.a.	n.a.	-	-	-	68	-	-	895	-
Soft Bullet	n.a.	n.a.	128	628	1,923	2,266	2,560	1,755	-	280
Conditional Pass Through	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Outstanding fixed coupon	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Outstanding floating coupon	n.a.	n.a.	-	-	-	-	-	-	-	-
Outstanding other	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	628	1,923	2,334	2,560	1,755	895	280
Number of Programmes	n.a.	n.a.	1	1	4	6	7	7	8	8
Number of Issuers	n.a.	n.a.	1	1	4	6	7	7	8	8
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	n.a.	n.a.	-	-	-	-	-	-	-	-
Mortgage	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Ships	n.a.	n.a.	-	-	-	-	-	-	-	-
Others	n.a.	n.a.	-	-	-	-	-	-	-	-
Total Issuance	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	n.a.	-
Public Placement										
Benchmark (1bn and above)	n.a.	n.a.	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	n.a.	n.a.	-	500	-	-	-	-	-	-
Others (below 500Mio)	n.a.	n.a.	-	-	-	-	227	-	-	-
Private Placement	n.a.	n.a.	128	-	1,334	766	-	-	16	-
Total	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Denominated in EURO	n.a.	n.a.	-	500	-	-	-	-	-	-
Denominated in domestic currency	n.a.	n.a.	128	-	1,334	766	227	-	16	-
Denominated in other currencies	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Hard Bullet	n.a.	n.a.	-	-	-	68	-	-	16	-
Soft Bullet	n.a.	n.a.	128	500	1,334	698	227	-	-	-
Conditional Pass Through	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Issuance fixed coupon	n.a.	n.a.	128	500	1,334	766	227	-	-	-
Issuance floating coupon	n.a.	n.a.	-	-	-	-	-	-	16	-
Issuance other	n.a.	n.a.	-	-	-	-	-	-	-	-
Total	n.a.	n.a.	128	500	1,334	766	227	-	16	-
Number of New Issuers	n.a.	n.a.	1	1	2	2	1	-	1	-
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	n.a.	-

5.2.37 UNITED KINGDOM

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Regulated - Mortgages	114,395	114,654	106,674	97,127	89,509	93,530	108,857	96,012	88,710	85,801
Regulated - Public Sector	-	-	-	-	-	-	-	-	-	-
Non-regulated - Mortgages	18,077	16,143	8,236	-	-	-	-	1,112	2,380	4,510
Non-regulated - Public Sector	5,784	6,152	6,358	4,894	4,697	4,662	705	667	595	564
Total Outstanding	138,255	136,949	121,268	102,021	94,206	98,192	109,562	97,791	91,685	90,875
Of which, total Sustainable CB	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	1,064
Public Placement										
Benchmark (1bn and above)	112,064	107,687	93,997	75,733	70,229	72,312	87,503	72,679	59,728	55,877
Benchmark (500mio - below 1bn)	13,341	16,995	10,233	9,546	7,548	11,457	12,164	13,609	13,219	14,499
Others (below 500Mio)	8,637	7,948	971	280	248	-	-	50	484	873
Private Placement	4,213	4,319	16,068	16,462	16,181	14,423	9,895	11,454	18,254	19,626
Total	138,255	136,949	121,268	102,021	94,206	98,192	109,562	97,791	91,685	90,875
Denominated in EURO	84,633	77,968	67,651	57,703	55,876	56,426	58,096	48,159	37,325	31,922
Denominated in domestic currency	44,957	50,972	47,613	38,532	36,977	40,482	48,854	45,551	50,856	54,888
Denominated in other currencies	8,665	8,009	6,004	5,786	1,353	1,284	2,612	4,081	3,504	4,065
Total	138,255	136,949	121,268	102,021	94,206	98,192	109,562	97,791	91,685	90,875
Hard Bullet	n.a.	n.a.	n.a.	7,508	5,331	2,581	2,581	2,581	2,481	2,354
Soft Bullet	n.a.	n.a.	n.a.	91,028	85,531	92,291	106,981	95,210	89,204	88,521
Conditional Pass Through	n.a.	n.a.	n.a.	3,485	3,344	3,320	-	-	-	-
Total	138,255	136,949	121,268	102,021	94,206	98,192	109,562	97,791	91,685	90,875
Outstanding fixed coupon	106,995	101,816	91,567	78,951	72,038	71,144	74,833	65,195	52,633	45,478
Outstanding floating coupon	31,260	35,133	29,701	23,070	22,168	27,048	34,729	32,596	39,052	45,397
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	138,255	136,949	121,268	102,021	94,206	98,192	109,562	97,791	91,685	90,875
Number of Programmes	18	17	16	14	14	14	15	16	16	15
Number of Issuers	17	16	15	12	12	13	14	16	16	15
Of which, Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	1
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Regulated - Mortgages	1,480	12,529	15,015	9,599	11,563	14,916	22,959	9,089	9,783	15,977
Regulated - Public Sector	-	-	-	-	-	-	-	-	-	-
Non-regulated - Mortgages	-	-	-	-	-	-	-	1,112	1,190	2,255
Non-regulated - Public Sector	-	-	-	-	-	-	-	-	-	-
Total Issuance	1,480	12,529	15,015	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Of which, Sustainable CB Issuance	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	500	564
Public Placement										
Benchmark (1bn and above)	1,000	9,135	11,540	6,701	10,013	12,224	19,629	7,643	1,785	11,502
Benchmark (500mio - below 1bn)	-	2,892	2,159	1,381	1,500	2,662	2,850	500	1,750	2,688
Others (below 500Mio)	380	396	409	-	-	-	-	-	-	366
Private Placement	100	106	907	1,517	50	30	480	2,057	7,438	3,676
Total	1,480	12,529	15,015	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Denominated in EURO	1,480	6,406	8,135	6,833	4,800	4,030	7,620	1,750	1,750	3,568
Denominated in domestic currency	-	6,123	6,880	2,766	6,763	10,231	13,989	6,617	9,223	13,360
Denominated in other currencies	-	-	-	-	-	655	1,350	1,834	-	1,304
Total	1,480	12,529	15,015	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Hard Bullet	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Soft Bullet	n.a.	n.a.	n.a.	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Conditional Pass Through	n.a.	n.a.	n.a.	-	-	-	-	-	-	-
Total	1,480	12,529	15,015	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Issuance fixed coupon	1,200	6,406	8,816	6,808	4,800	4,685	8,970	3,584	1,750	4,872
Issuance floating coupon	280	6,123	6,199	2,791	6,763	10,231	13,989	6,617	9,223	13,360
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	1,480	12,529	15,015	9,599	11,563	14,916	22,959	10,201	10,973	18,232
Number of New Issuers	-	-	-	-	1	1	1	1	-	1
Number of New Sustainable Issuers	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1	-

Note: There are 14 Regulated issuers each with one Regulated residential mortgage programme (two regulated issuers also have unregulated programmes).

Please refer to the FCA's website for more details of the Regulated issues (<http://www.fca.org.uk/firms/systems-reporting/regulated-covered-bonds-register>).

5.2.38 UNITED STATES

Outstanding (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Outstanding										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Outstanding	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Of which, total Sustainable CB	-	-	-	-	-	-	-	-	-	-
Public Placement										
Benchmark (1bn and above)	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Denominated in EURO	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Outstanding fixed coupon	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Outstanding floating coupon	-	-	-	-	-	-	-	-	-	-
Outstanding other	-	-	-	-	-	-	-	-	-	-
Total	6,000	4,000	4,000	2,000	-	-	-	-	-	-
Number of Programmes	2	2	2	1	-	-	-	-	-	-
Number of Issuers	2	2	2	2	-	-	-	-	-	-
Of which, Sustainable Issuers	-	-	-	-	-	-	-	-	-	-
Issuance (in EUR million)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Covered Bonds Issuance										
Public Sector	-	-	-	-	-	-	-	-	-	-
Mortgage	-	-	-	-	-	-	-	-	-	-
Ships	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total Issuance	-	-	-	-	-	-	-	-	-	-
Of which, Sustainable CB Issuance	-	-	-	-	-	-	-	-	-	-
Public Placement										
Benchmark (1bn and above)	-	-	-	-	-	-	-	-	-	-
Benchmark (500mio - below 1bn)	-	-	-	-	-	-	-	-	-	-
Others (below 500Mio)	-	-	-	-	-	-	-	-	-	-
Private Placement	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Denominated in EURO	-	-	-	-	-	-	-	-	-	-
Denominated in domestic currency	-	-	-	-	-	-	-	-	-	-
Denominated in other currencies	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Hard Bullet	-	-	-	-	-	-	-	-	-	-
Soft Bullet	-	-	-	-	-	-	-	-	-	-
Conditional Pass Through	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Issuance fixed coupon	-	-	-	-	-	-	-	-	-	-
Issuance floating coupon	-	-	-	-	-	-	-	-	-	-
Issuance other	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Number of New Issuers	-	-	-	-	-	-	-	-	-	-
Number of New Sustainable Issuers	-	-	-	-	-	-	-	-	-	-

5.2.39 ANNEX: EUROPEAN CENTRAL BANK EXCHANGE RATES WITH THE EURO, YEAR END

	Australian dollar	Brazilian real	Canadian dollar	Swiss franc	Czech koruna	Danish krone	UK pound sterling
2007	1.6757	2.5914	1.4449	1.6547	26.628	7.4583	0.73335
2008	2.0274	3.2436	1.6998	1.485	26.875	7.4506	0.9525
2009	1.6008	2.5113	1.5128	1.4836	26.473	7.4418	0.8881
2010	1.3136	2.2177	1.3322	1.2504	25.061	7.4535	0.86075
2011	1.2723	2.4159	1.3215	1.2156	25.787	7.4342	0.8353
2012	1.2712	2.7036	1.3137	1.2072	25.151	7.461	0.8161
2013	1.5423	3.2576	1.4671	1.2276	27.427	7.4593	0.8337
2014	1.4829	3.2207	1.4063	1.2024	27.735	7.4453	0.7789
2015	1.4897	4.3117	1.5116	1.0835	27.023	7.4626	0.73395
2016	1.4596	3.4305	1.4188	1.0739	27.021	7.4344	0.85618
2017	1.5346	3.9729	1.5039	1.1702	25.535	7.4449	0.88723
2018	1.622	4.444	1.5605	1.1269	25.724	7.4673	0.89453
2019	1.5995	4.5157	1.4598	1.0854	25.408	7.4715	0.8508
2020	1.5896	6.3735	1.5633	1.0802	26.242	7.4409	0.89903
2021	1.5615	6.3101	1.4393	1.0331	24.858	7.4364	0.84028
2022	1.5693	5.6386	1.4440	0.9847	24.116	7.4365	0.88693

	Hong Kong dollar	Hungarian forint	Iceland krona	Japanese yen	Korean won (Republic)	Lithuanian litas	Latvian lats
2007	11.48	253.73	91.9	164.93	1377.96	3.4528	0.6964
2008	10.7858	266.7	250*	126.14	1839.13	3.4528	0.7083
2009	11.1709	270.42	179.48*	133.16	1666.97	3.4528	0.7093
2010	10.3856	277.95	153.78*	108.65	1499.06	3.4528	0.7094
2011	10.051	314.58	159*	100.2	1498.69	3.4528	0.6995
2012	10.226	292.3	168.91*	113.61	1406.23	3.4528	0.6977
2013	10.6933	297.04	158.29**	144.72	1450.93	3.4528	0.7028
2014	9.417	315.54	154.31**	145.23	1324.8	3.4528	1.000
2015	8.4376	315.98	141.38**	131.07	1280.8	1.000	1.000
2016	8.1751	309.83	119.15**	123.4	1269.36	1.000	1.000
2017	9.372	310.33	124.30**	135.01	1279.61	1.000	1.000
2018	8.9675	320.98	127.89***	125.85	1277.93	1.000	1.000
2019	8.7473	330.53	137.28***	121.94	1296.28	1.000	1.000
2020	9.5142	363.89	154.59***	126.49	1336.00	1.000	1.000
2021	8.8333	369.19	150.15***	130.38	1346.38	1.000	1.000
2022	8.3163	400.87	142.24***	140.66	1344.09	1.000	1.000

* Bloomberg "Compound New York" Rates, ** Bloomberg "Bloomberg Generic Pricing (BGN)" Rates (On 10 December 2008, the European Central Bank has stopped publishing foreign exchange reference rates of the Icelandic Króna, but it resumed in February 2018). *** Yearly average figure provided by the European Central Bank.

	Norwegian krone	New Zealand dollar	Polish zloty	Swedish krona	Singapore dollar	Turkish lira	US dollar
2007	7.958	1.9024	3.5935	9.4415	2.1163	1.717	1.4721
2008	9.75	2.4191	4.1535	10.87	2.004	2.1488	1.3917
2009	8.3	1.9803	4.1045	10.252	2.0194	2.1547	1.4406
2010	7.8	1.72	3.975	8.9655	1.7136	2.0694	1.3362
2011	7.754	1.6737	4.458	8.912	1.6819	2.4432	1.2939
2012	7.3483	1.6045	4.074	8.582	1.6111	2.3551	1.3194
2013	8.363	1.6762	4.1543	8.8591	1.7414	2.9605	1.3791
2014	9.042	1.5525	4.2732	9.393	1.6058	2.832	1.2141
2015	9.603	1.5923	4.2639	9.1895	1.5417	3.1765	1.0887
2016	9.0863	1.5158	4.4103	9.5525	1.5234	3.7072	1.0541
2017	9.8403	1.685	4.177	9.8438	1.6024	4.5464	1.1993
2018	9.9483	1.7056	4.3014	10.2548	1.5591	6.0588	1.145
2019	9.8638	1.6653	4.2568	10.4468	1.5111	6.6843	1.1234
2020	10.4703	1.6984	4.5597	10.0343	1.6218	9.1131	1.2271
2021	9.9888	1.6579	4.5969	10.2503	1.5279	15.2335	1.1326
2022	10.5138	1.6798	4.6808	11.1218	1.4300	19.9649	1.0666

Source: European Central Bank (ECB), [Statistics Data Warehouse](#).

Note: The Euro is the denominator.

Note: The exchange rate protocol used for ECBC covered bond statistics is to take the ECB bilateral exchange rate on the last business day of the year.