

Norddeutsche Landesbank GZ - Mortgage Covered Bonds

Covered Bonds / Germany

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Reporting as of: 31/12/2022 All amounts in EUR (unless otherwise specified)

For information on how to read this report, see the latest
Moody's Covered Bonds Sector Update

Data as provided to Moody's Investors Service (note 1)

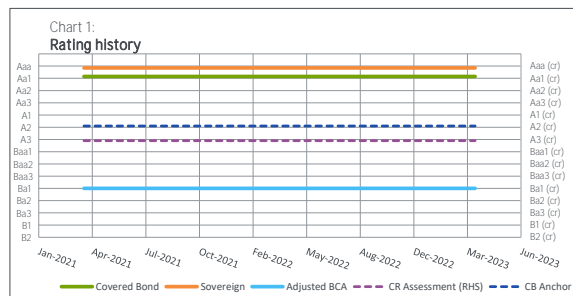
I. Programme Overview

Overview

Year of initial rating assignment:	2006
Total outstanding liabilities:	EUR 9,100,149,384
Total assets in the Cover Pool:	EUR 11,800,964,014
Issuer name / CR Assessment:	Norddeutsche Landesbank GZ / A3(cr)
Group or parent name / CR Assessment:	n/a
Main collateral type:	Commercial

Ratings

Covered bonds rating:	Aa1
Entity used in Moody's EL & TPI analysis:	Norddeutsche Landesbank Girozentrale
CB anchor:	A2
CR Assessment:	A3(cr)
Adjusted BCA / SUR:	ba1 / A3
Unsecured claim used for Moody's EL analysis:	Yes



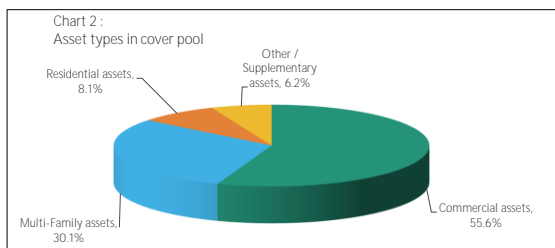
II. Value of the Cover Pool

Collateral quality

Collateral Score:	16.3%
Collateral Score excl. systemic risk:	n/a

Cover Pool losses

Collateral Risk (Collateral Score post-haircut):	10.9%	51%
Market Risk:	10.6%	49%
	21.6%	100%



III. Over-Collateralisation Levels

(notes 2 & 3)

Over-Collateralisation (OC) figures presented below include Eligible only collateral. Over-Collateralisation levels are provided on any of the following: nominal basis or unstressed NPV basis or on stressed NPV basis. NPV stress assumptions applied as required by the legal framework for German Pfandbriefe.

Current situation

Committed OC (Stressed NPV):	2.0%
Current OC (Unstressed NPV):	30.3%
OC consistent with current rating (note 4)	7.5%

Besides 2% committed OC on NPV basis, in accordance with German Pfandbrief Act, the issuer is also required to hold additional 2% OC calculated on nominal basis.

Sensitivity scenario CB anchor

Scenario	OC consistent with current rating
Scenario 1: CB anchor is lowered by 1 notch	11.0%

IV. Timely Payment Indicator & TPI Leeway

Timely Payment Indicator (TPI):	High
TPI Leeway:	3

Extract from TPI table

CB Anchor	High
Aa2	Aaa
Aa3	Aaa
A1	Aaa
A2	Aaa
A3	Aaa
Baa1	Aaa
Baa2	Aa1
Baa3	Aa2

Legal framework

Does a specific covered bond law apply for this programme:	Yes, German
Main country in which collateral is based:	Germany
Country in which issuer is based:	Germany

Timely principal payments

Maturity type:	Soft Bullet
Committed liquidity reserve for principal amount of all hard bullet bonds to be funded at least 180 days before maturity:	n/a
Committed liquidity reserve for principal amount of all soft bullet bonds to be funded at least 180 days before initial maturity:	Yes

(note 1) The data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody's. Moody's accepts no responsibility for the information provided to it and, whilst it believes the assumptions it has made are reasonable, cannot guarantee that they are or will remain accurate. Although Moody's encourages all issuers to provide reporting data in a consistent manner, there may be differences in the way that certain data is categorised by issuers. The data reporting template (which Issuers are requested to use) is available on request. Credit ratings, TPI and TPI Leeway shown in this PO are as of publication date.

(note 2) This assumes the Covered Bonds rating is not constrained by the TPI. Also to the extent rating assumptions change following a downgrade or an upgrade of the Issuer, the necessary OC stated here may also change. This is especially significant in the case of CR assessments of A3(cr) or Baa1(cr), as the necessary OC following a 1 notch downgrade may then be substantially higher than the amount suggested here as market risks are considered more critically by Moody's at this time. In any event, the necessary OC amounts stated here are subject to change at anytime at Moody's discretion.

(note 3) This is the minimum OC calculated to be consistent with the current rating under Moody's expected loss model. However, the level of OC consistent with a given rating level may differ from this amount where ratings are capped under the TPI framework and, for example, where committee discretion is applied.

(note 4) The OC consistent with the current rating is the minimum level of over-collateralisation which is necessary to support the covered bond rating at its current level on the basis of the pool as per the cut-off date. The sensitivity run is based on certain assumptions, including that the Covered Bonds rating is not constrained by the TPI. Further, this sensitivity run is a model output only and therefore a simplification as it does not take into account certain assumptions that may change as an issuer is downgraded, and as a result the actual OC number consistent with the current rating may be higher than shown. The OC required may also differ from the model output in situations when committee discretion is applied. In any event, the OC amounts stated here are subject to change at any time at Moody's discretion.

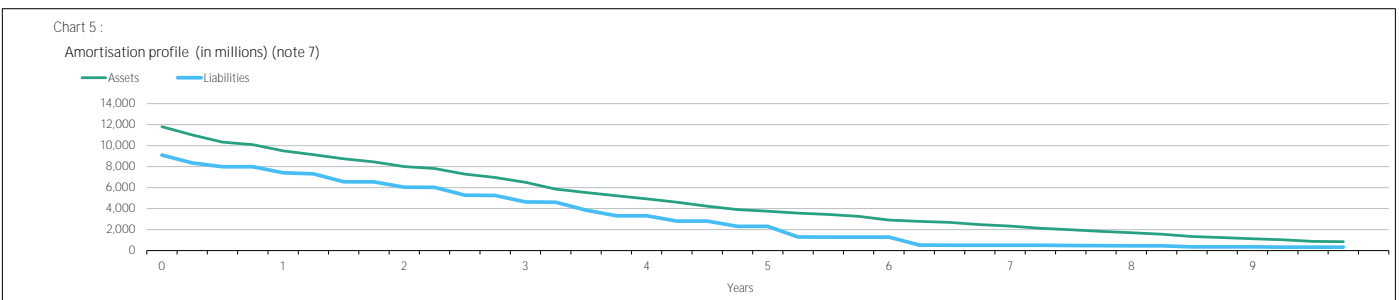
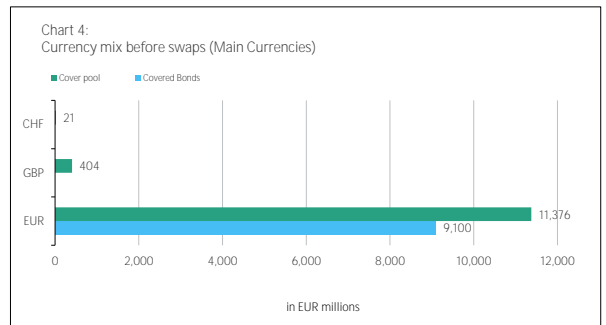
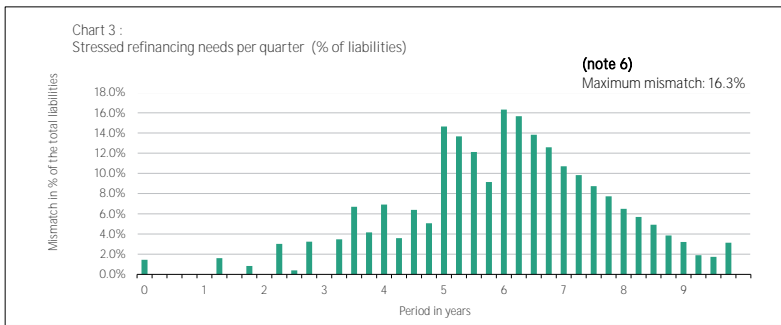
V. Asset Liability Profile

Interest Rate & Duration Mismatch (note 5)

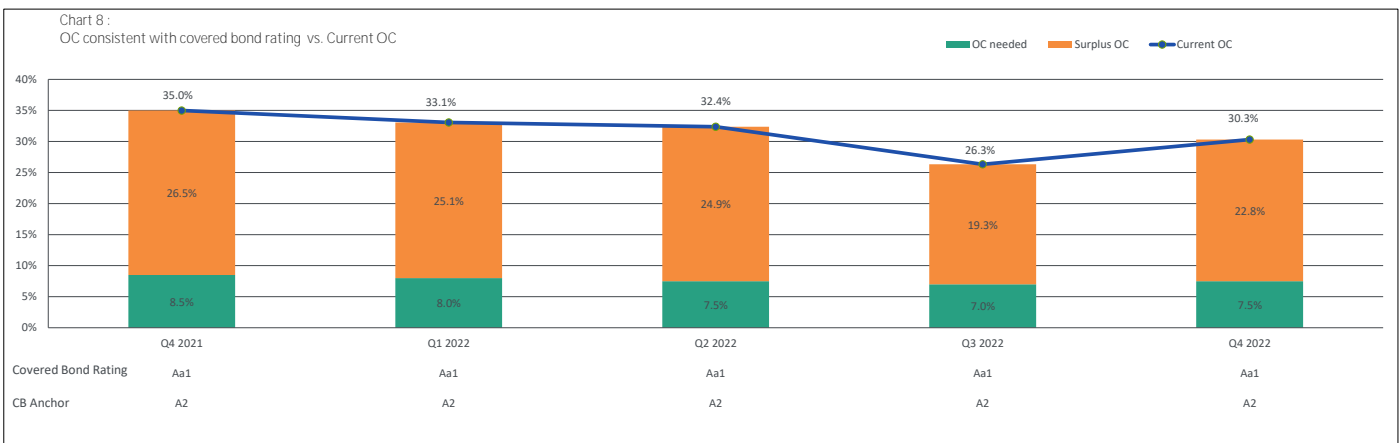
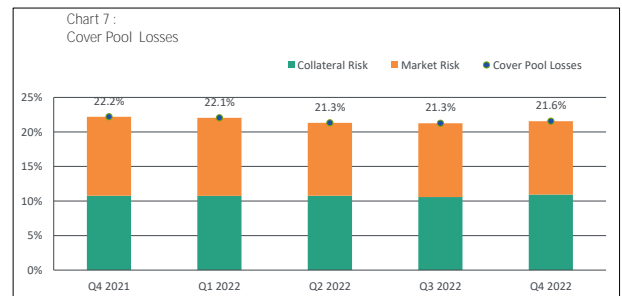
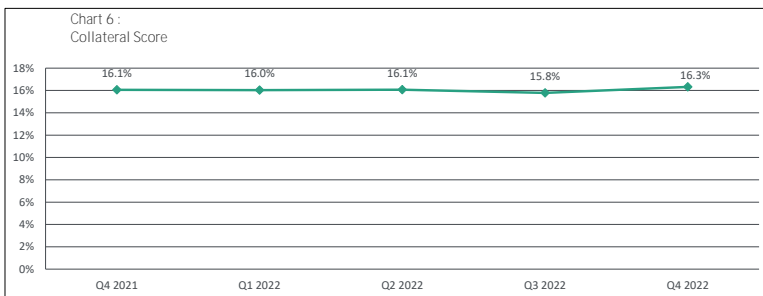
Fixed rate assets in the cover pool:	71.1%
Fixed rate covered bonds outstanding:	97.7%
WAL of outstanding covered bonds:	3.4 years
WAL of the cover pool:	4.3 years

Swap Arrangements

Interest rate swap(s) in the Cover Pool:	No
Intra-group interest rate swap(s) provider(s):	No
Currency swap(s) in the Cover Pool:	No
Intra-group currency swap(s) provider(s):	No



VI. Performance Evolution



This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the Issuer/deal page on <https://ratings.moody's.com> for the most updated credit rating action information and rating history.

(note 5) This assumes no prepayment.

(note 6) Based on principal flows only. Assumptions include no prepayments, principal collections limited to the portion of assets that make up the amount of the liabilities plus committed OC, no further CB issuance and no further assets added to the cover pool.

(note 7) Assumptions include no swap in place in Cover Pool, no prepayment and no further CB issuance.

VII. Cover Pool Information - Residential Assets

Overview

Asset type:	Residential
Asset balance:	924,132,542
Average loan balance:	65,957
Number of loans:	14,011
Number of borrowers:	13,265
Number of properties:	13,427
WA remaining term (in months):	n/d
WA seasoning (in months):	86

Details on LTV

WA unindexed LTV (*)	44.0%
WA Indexed LTV:	n/a
Valuation type:	Lending Value
LTV threshold:	60.0%
Junior ranks:	n/d
Loans with Prior Ranks:	n/d

Specific Loan and Borrower characteristics

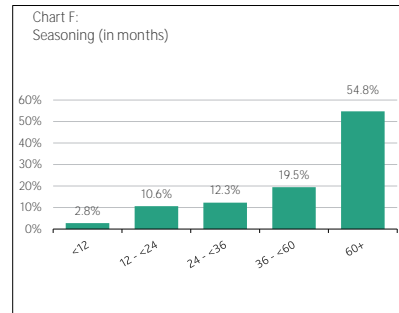
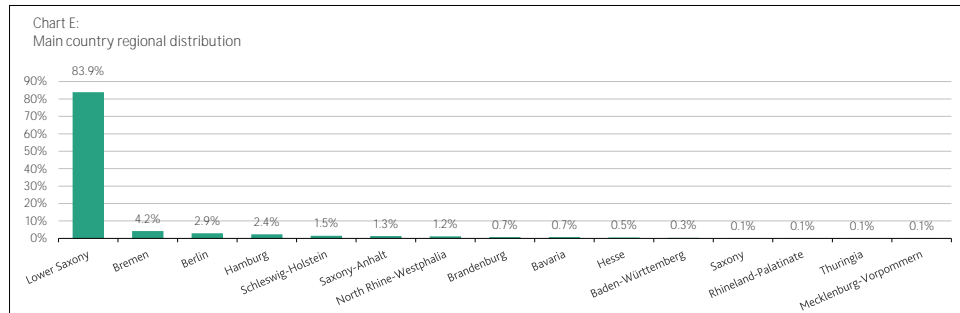
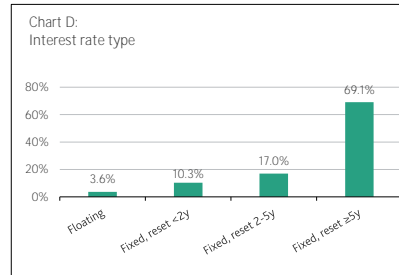
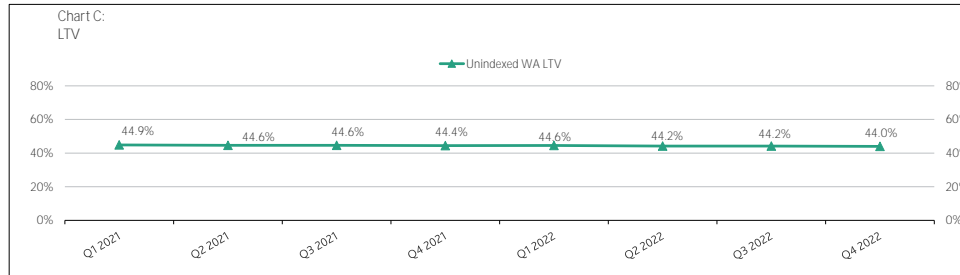
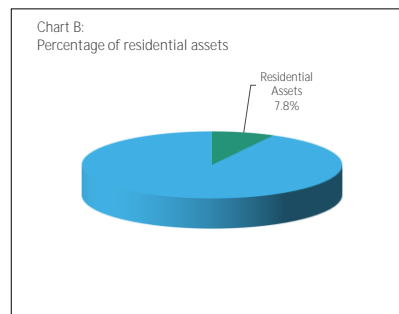
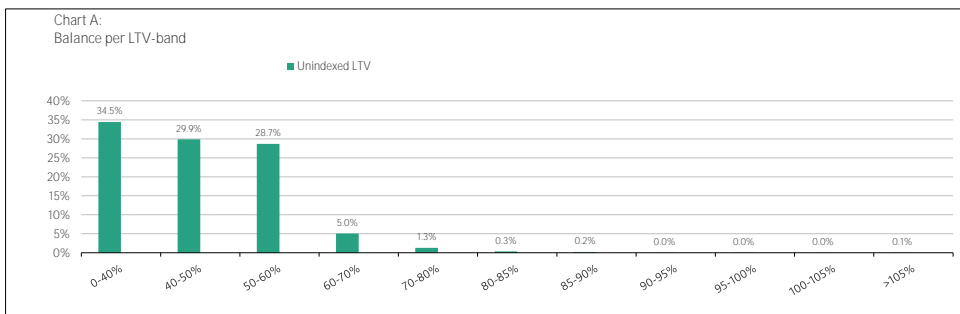
Loans with an external guarantee in addition to a mortgage:	n/d
Interest only Loans	n/d
Loans for second homes / Vacation:	n/d
Buy to let loans / Non owner occupied properties:	n/d
Limited income verified:	n/d
Adverse credit characteristics (**)	n/d

Performance

Loans in arrears (≥ 2months - < 6months):	n/a
Loans in arrears (≥ 6months - < 12months):	n/a
Loans in arrears (≥ 12months):	n/a
Loans in a foreclosure procedure:	n/a

Multi-Family Properties

Loans to tenants of tenant-owned Housing Cooperatives:	n/d
Other type of Multi-Family loans (***)	n/d



(note *) may be based on property value at time of origination or further advance or borrower refinancing.
 (note **) Typically borrowers with a previous personal bankruptcy or borrowers with record of court claims against them at time of origination.
 (note ***) This "other" type refers to loans directly to Housing Cooperatives and to Landlords of Multi-Family properties (not included in Buy to Let).

VIII. Cover Pool Information - Commercial Assets

Overview

Asset type:	Commercial
Asset balance:	10,105,747,354
Average loan balance:	1,441,223
Number of loans:	7,011
Number of borrowers:	4,864
Largest 10 borrowers:	12.1%
Number of properties:	8,661
Main countries:	Germany (66.5%), Netherlands (14.6%), France (6.5%)

Specific Loan and Borrower characteristics

Bullet loans:	56.8%
Main currencies:	EUR (95.8%), GBP (4.0%), CHF (0.2%)
Fixed rate loans:	78.9%
Non-recourse to sponsor/initiator:	n/d

Details on Loan Underwriting

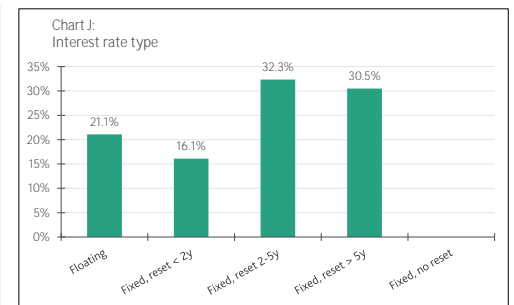
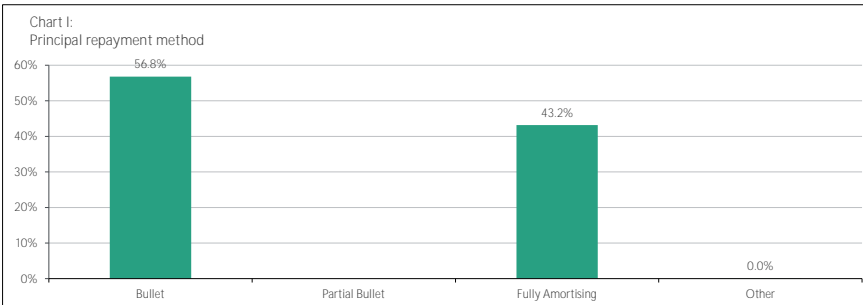
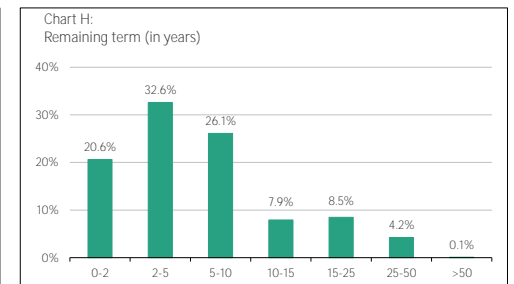
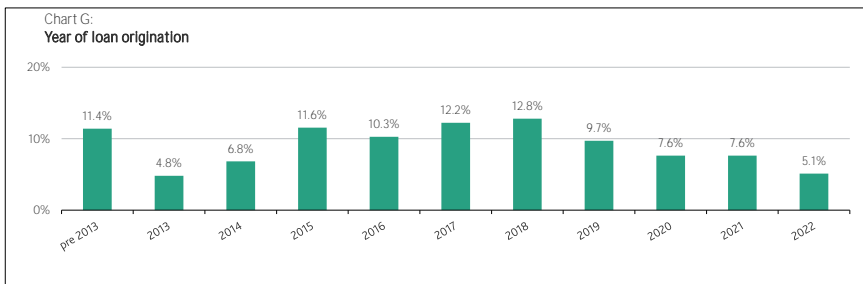
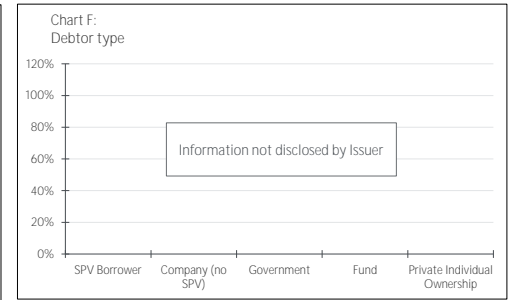
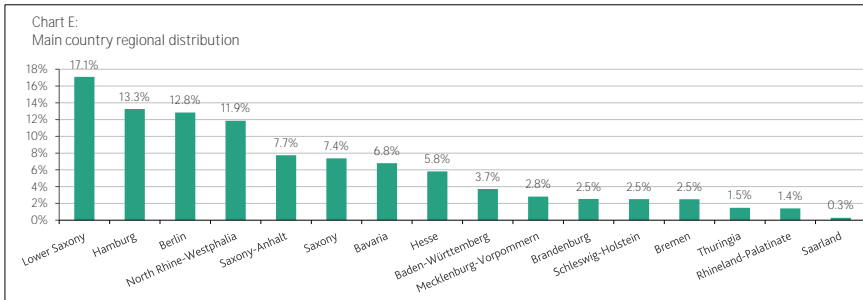
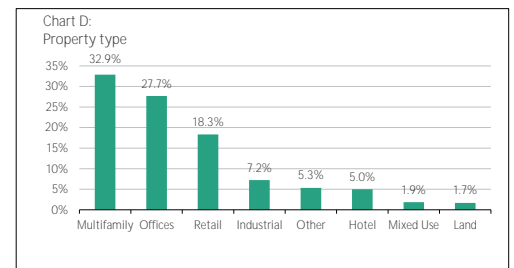
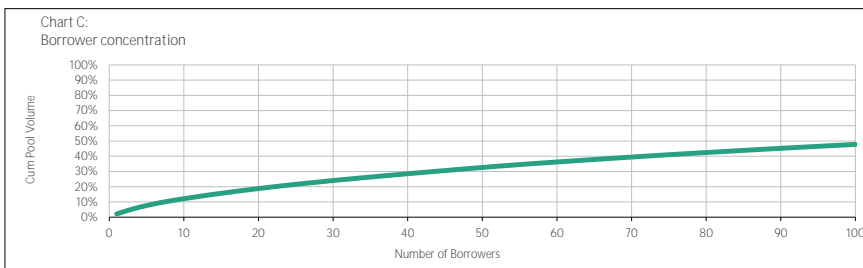
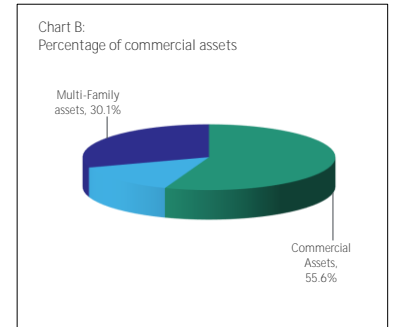
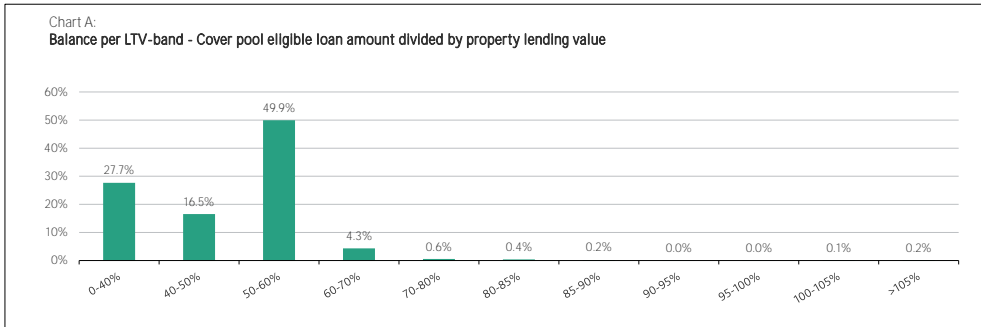
WA DSCR:	n/d
WA loan seasoning (in months):	74
WA remaining term (in months):	88

Details on LTV

WA LTV(*):	48.1%
WA Current LTV(**):	n/a
Valuation type:	Lending Value
LTV Threshold:	60.0%

Performance

Loans in arrears ≥ 2 months:	n/d
Loans in a foreclosure procedure:	n/d



(note *) Based on whole loan and property value at origination.
 (note **) Based on whole loan and updated property value.

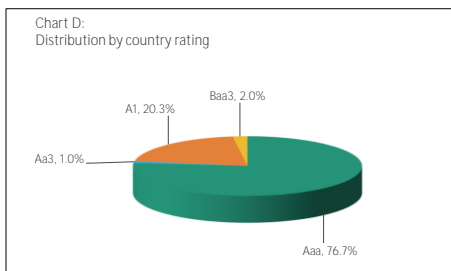
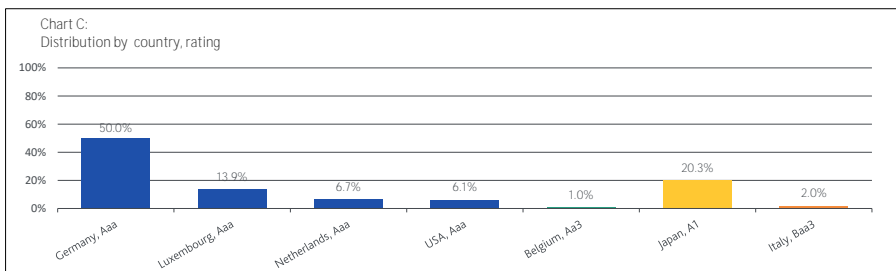
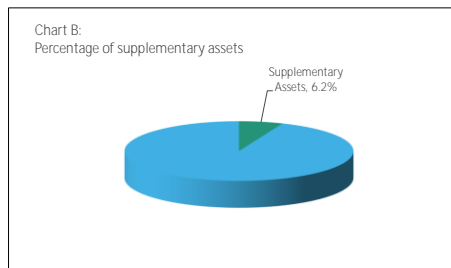
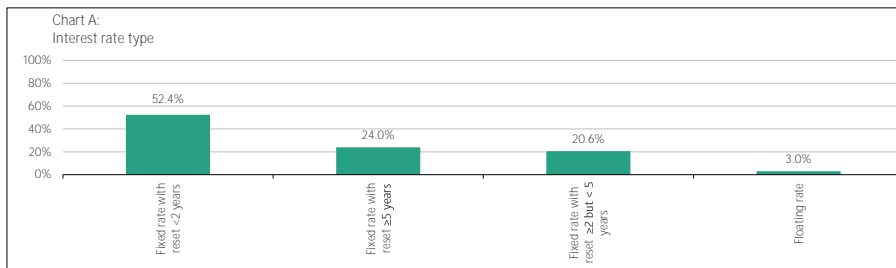
IX. Cover Pool Information - Supplementary Assets

Overview

Asset type:	Supplementary Assets
Asset balance:	734,844,118
WA remaining Term (in months):	43
Number of assets:	34
Number of borrowers:	18
Average assets size:	21,613,062
Average exposure to borrowers:	40,824,673

Specific Loan and Borrower characteristics

Repo eligible assets:	79.7%
Percentage of fixed rate assets:	97.0%
Percentage of bullet assets:	99.0%
Assets in non-domestic currency:	0.0%
Performance	
Assets in arrears (≥ 2months - < 6months):	0.0%
Assets in arrears (≥ 6months - < 12months):	0.0%
Assets in arrears (> 12months):	0.0%
Assets in a enforcement procedure:	0.0%



X. Liabilities Information: Last 50 Issuances

ISIN	Series Number	Currency	Outstanding Amount	Issuance Date	Expected Maturity	Extended Maturity	Interest Rate Type	Coupon	Principal Payment
XFNBOONJ2790	n/d	EUR	75,000,000	27/09/2022	27/09/2034	27/09/2035	Fixed rate	2.856%	Soft Bullet
DE000NLB3275	n/d	EUR	500,000,000	20/09/2022	20/09/2027	20/09/2028	Fixed rate	2.250%	Soft Bullet
DE000NLB3275	n/d	EUR	500,000,000	02/08/2022	03/11/2025	03/11/2026	Fixed rate	1.375%	Soft Bullet
DE000NLB32Y8	n/d	EUR	22,000,000	21/07/2022	30/06/2035	30/06/2036	Fixed rate	2.310%	Soft Bullet
XFNBOONJZ485	n/d	EUR	5,000,000	15/07/2022	15/07/2032	15/07/2033	Fixed rate	2.220%	Soft Bullet
DE000NLB3UX1	n/d	EUR	500,000,000	23/09/2021	23/09/2026	23/09/2027	Fixed rate	0.010%	Soft Bullet
DE000DHY5074	n/d	EUR	500,000,000	18/02/2020	18/02/2027	18/02/2028	Fixed rate	0.010%	Soft Bullet
XFNBOONNY3332	n/d	EUR	5,000,000	11/04/2019	11/10/2030	11/10/2031	Fixed rate	0.730%	Soft Bullet
DE000DHY5025	n/d	EUR	750,000,000	05/03/2019	05/03/2029	05/03/2030	Fixed rate	0.750%	Soft Bullet
XFNBOONNY3191	n/d	EUR	20,000,000	19/02/2019	19/02/2024	19/02/2025	Fixed rate	0.229%	Soft Bullet
XFNBOONNY3233	n/d	EUR	20,000,000	19/02/2019	19/02/2026	19/02/2027	Fixed rate	0.468%	Soft Bullet
DE000DHY4994	n/d	EUR	500,000,000	10/09/2018	10/12/2024	10/12/2025	Fixed rate	0.250%	Soft Bullet
DE000DHY4986	n/d	EUR	12,000,000	24/07/2018	24/07/2023	24/07/2024	Fixed rate	6.000%	Soft Bullet
XFNBOONNY3258	n/d	EUR	15,000,000	20/07/2018	20/07/2026	20/07/2027	Fixed rate	0.580%	Soft Bullet
DE000DHY4960	n/d	EUR	750,000,000	29/06/2018	29/06/2026	29/06/2027	Fixed rate	0.500%	Soft Bullet
XFNBOONNY3316	n/d	EUR	10,000,000	11/05/2018	11/05/2028	11/05/2029	Fixed rate	0.897%	Soft Bullet
DE000DHY4952	n/d	EUR	10,000,000	02/05/2018	12/02/2025	12/02/2026	Fixed rate	0.625%	Soft Bullet
DE000DHY4945	n/d	EUR	17,000,000	09/04/2018	09/04/2024	09/04/2025	Fixed rate	0.340%	Soft Bullet
XFNBOONNY3308	n/d	EUR	15,000,000	28/03/2018	28/03/2028	28/03/2029	Fixed rate	0.926%	Soft Bullet
DE000NLB2TD7	n/d	EUR	1,000,000,000	18/01/2018	18/01/2028	18/01/2029	Fixed rate	0.750%	Soft Bullet
XFNBOONJU1155	n/d	EUR	211,049,384	20/12/2017	31/05/2023	31/05/2024	Floating rate	3M EURIBOR + 0 bps	Soft Bullet
XFNBOONNY3365	n/d	EUR	50,000,000	04/12/2017	06/12/2032	06/12/2033	Fixed rate	1.250%	Soft Bullet
XFNBOONNY3381	n/d	EUR	50,000,000	04/12/2017	04/12/2037	04/12/2038	Fixed rate	1.423%	Soft Bullet
XFNBOONNY3357	n/d	EUR	100,000,000	01/12/2017	01/12/2032	01/12/2033	Fixed rate	1.250%	Soft Bullet
DF000DHY4887	n/d	EUR	500,000,000	23/11/2017	23/11/2023	23/11/2024	Fixed rate	0.125%	Soft Bullet
XFBLOONZ0305	n/d	EUR	10,000,000	14/11/2017	04/04/2029	04/04/2030	Fixed rate	4.200%	Soft Bullet
XFBLOONZ0313	n/d	EUR	5,000,000	14/11/2017	04/04/2029	04/04/2030	Fixed rate	4.200%	Soft Bullet
DE000DHY4861	n/d	EUR	750,000,000	20/06/2017	20/06/2025	20/06/2026	Fixed rate	0.375%	Soft Bullet
DE000NLB0PB3	n/d	EUR	100,000,000	01/06/2017	01/06/2023	01/06/2024	Fixed rate	0.250%	Soft Bullet
XFBLOONZ6260	n/d	EUR	5,000,000	07/02/2017	09/02/2026	09/02/2027	Fixed rate	0.753%	Soft Bullet
XFBLOONZ0263	n/d	EUR	10,000,000	02/11/2016	28/01/2032	28/01/2033	Fixed rate	4.070%	Soft Bullet
DE000DHY4648	n/d	EUR	750,000,000	17/05/2016	17/05/2024	17/05/2025	Fixed rate	0.250%	Soft Bullet
DE000DHY4614	n/d	EUR	750,000,000	22/02/2016	22/02/2023	22/02/2024	Fixed rate	0.250%	Soft Bullet
XFBLOONZ6013	n/d	EUR	15,000,000	07/01/2016	20/11/2041	20/11/2042	Fixed rate	1.566%	Soft Bullet
XFBLOONZ6005	n/d	EUR	20,000,000	18/12/2015	18/12/2035	18/12/2036	Fixed rate	1.850%	Soft Bullet
DE000BRL0435	n/d	EUR	5,000,000	11/12/2015	11/12/2025	11/12/2026	Fixed rate	0.900%	Soft Bullet
XFNBOONJO112	n/d	EUR	75,000,000	06/11/2015	06/11/2023	06/11/2024	Fixed rate	0.640%	Soft Bullet
XFNBOONJO120	n/d	EUR	75,000,000	06/11/2015	06/11/2025	06/11/2026	Fixed rate	0.900%	Soft Bullet
DE000BRL0419	n/d	EUR	20,000,000	02/11/2015	03/11/2025	03/11/2026	Fixed rate	0.850%	Soft Bullet
XFNBOONNY3209	n/d	EUR	5,000,000	30/09/2015	30/09/2024	30/09/2025	Fixed rate	0.824%	Soft Bullet
XFNBOONNY3290	n/d	EUR	1,500,000	12/08/2015	12/08/2027	12/08/2028	Fixed rate	1.110%	Soft Bullet
XFBLOONZ5916	n/d	EUR	15,000,000	15/07/2015	15/07/2036	15/07/2037	Fixed rate	1.830%	Soft Bullet
XFNBOONNY3175	n/d	EUR	5,000,000	24/06/2015	26/06/2023	26/06/2024	Fixed rate	0.820%	Soft Bullet
DE000BRL0385	n/d	EUR	5,000,000	10/12/2014	10/12/2024	10/12/2025	Fixed rate	1.000%	Soft Bullet
XFNBOONNY3217	n/d	EUR	9,500,000	20/11/2014	20/11/2024	20/11/2025	Fixed rate	1.000%	Soft Bullet
XFNBOONNY3373	n/d	EUR	15,000,000	14/02/2014	14/02/2034	14/02/2035	Fixed rate	2.840%	Soft Bullet
XFNBOONNY3324	n/d	EUR	1,500,000	10/02/2014	12/02/2029	12/02/2030	Fixed rate	2.410%	Soft Bullet
XFNBOONNY3225	n/d	EUR	15,000,000	11/07/2013	11/07/2025	11/07/2026	Fixed rate	2.300%	Soft Bullet
DE000DHY4002	n/d	EUR	10,000,000	26/06/2013	26/06/2023	26/06/2024	Fixed rate	2.000%	Soft Bullet
XFBLOONZ0412	n/d	EUR	1,000,000	21/12/2012	23/12/2024	23/12/2025	Fixed rate	1.850%	Soft Bullet

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