NORD/LB


# Transparency requirements §28 PfandBG Q1/2022

Markets Strategy & Floor Research

Finanzgruppe

20 May 2022

Marketing communication (see disclaimer on the last pages)

# Agenda

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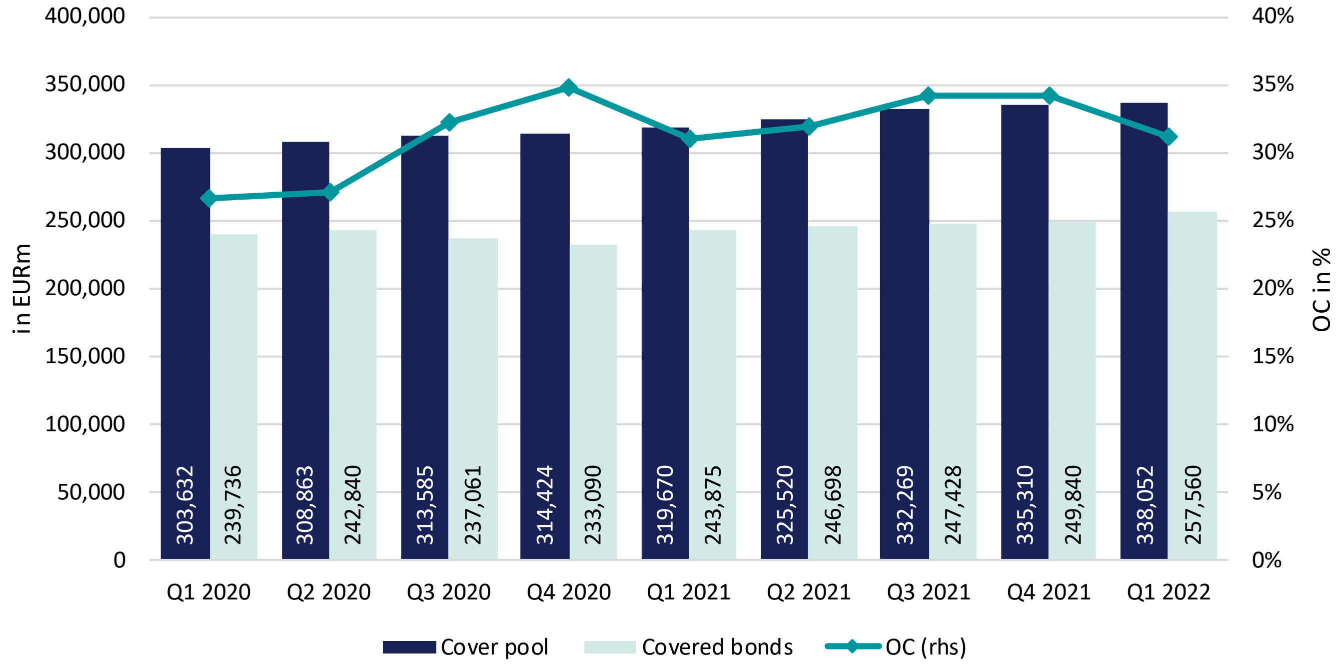
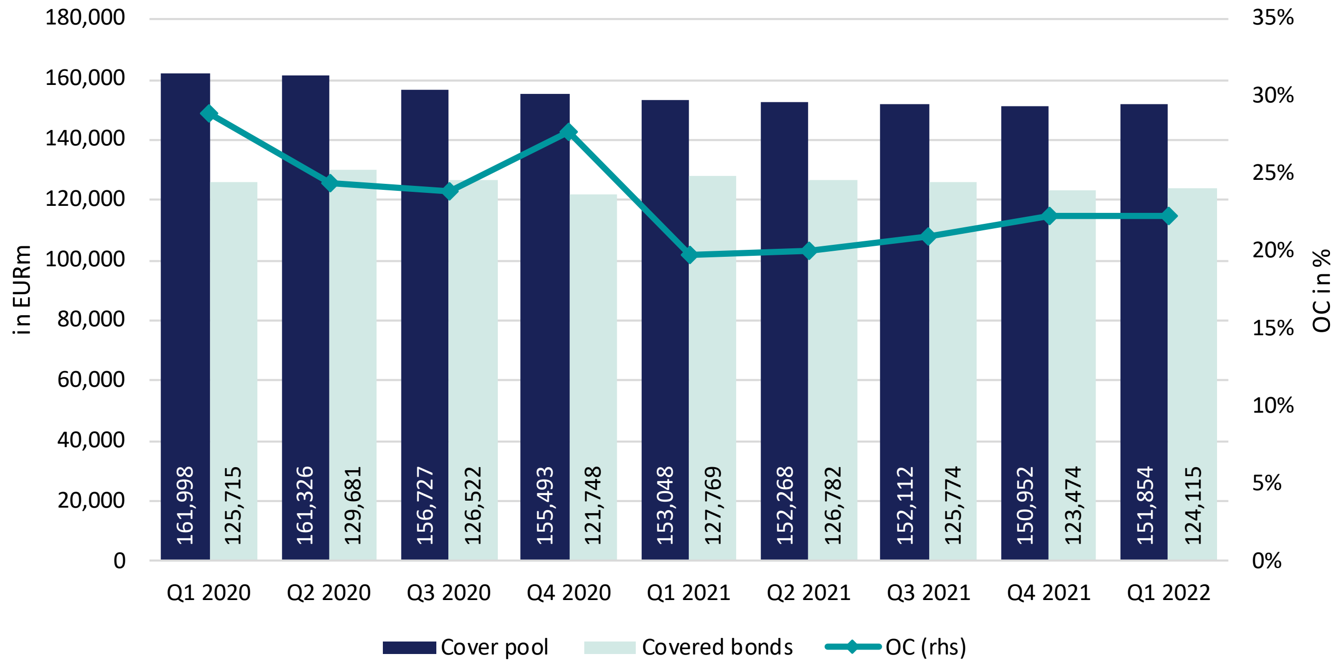
NORD/LB

# Market Overview

**Market development: mortgage covered bonds**

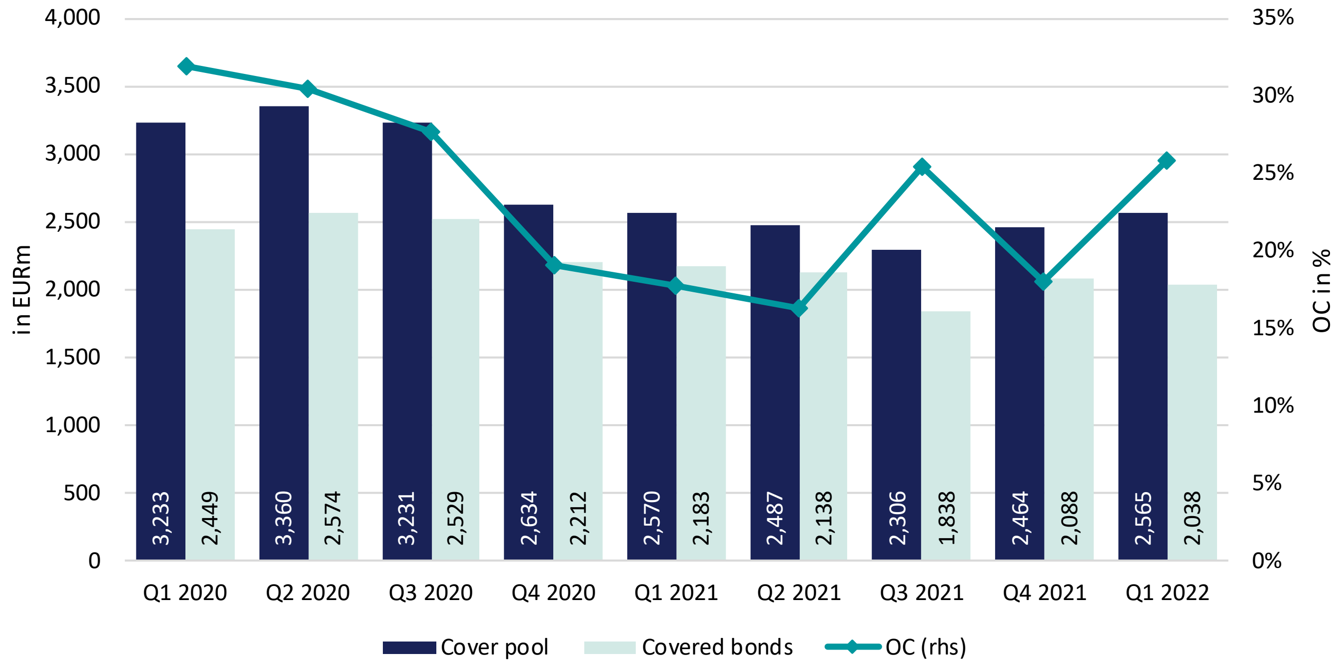



**Market development: public sector covered bonds**




Source: vdp, Deutsche Bank, NORD/LB Markets Strategy & Floor Research

**Market development: ship covered bonds**




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

## Market overview: mortgage covered bonds

| Issuer | Cover pool | Pfandbrief volume | OC | | Cover type (in %) | | | DE share (in %) |
|---|---|---|---|---|---|---|---|---|
| | in EURm | in EURm | in EURm | in % | Residential | Commercial | Others | Primary assets |
| Aareal Bank | 14,025 | 12,037 | 1,988 | 16.5 | 6.4% | 84.4% | 9.2% | 13.4% |
| ALTE LEIPZIGER Bauspar | 43 | 15 | 28 | 185.9 | 95.3% | 0.0% | 4.7% | 100.0% |
| Bausparkasse Mainz | 134 | 114 | 20 | 17.8 | 95.5% | 0.0% | 4.5% | 100.0% |
| Bausparkasse Schwäbisch Hall | 2,140 | 1,506 | 634 | 42.1 | 95.3% | 0.4% | 4.3% | 100.0% |
| BayernLB | 11,266 | 5,839 | 5,427 | 92.9 | 13.2% | 83.6% | 3.2% | 57.9% |
| BBBank | 7 | 0 | 7 | 0.0 | 86.5% | 0.0% | 13.5% | 100.0% |
| Berlin Hyp | 18,516 | 17,859 | 657 | 3.7 | 29.6% | 57.6% | 12.7% | 67.6% |
| Commerzbank | 37,984 | 24,118 | 13,867 | 57.5 | 94.9% | 2.2% | 2.9% | 100.0% |
| DekaBank | 1,137 | 460 | 677 | 147.1 | 0.0% | 97.8% | 2.2% | 48.8% |
| apoBank | 9,187 | 8,329 | 858 | 10.3 | 76.8% | 17.6% | 5.7% | 100.0% |
| Deutsche Bank | 15,568 | 13,102 | 2,466 | 18.8 | 89.2% | 7.0% | 3.8% | 100.9% |
| DKB | 7,162 | 4,925 | 2,238 | 45.4 | 93.6% | 1.8% | 4.6% | 100.0% |
| DSK Hyp | 197 | 22 | 175 | 814.1 | 64.4% | 30.5% | 5.1% | 87.1% |
| DZ HYP | 38,821 | 33,713 | 5,108 | 15.2 | 55.8% | 41.8% | 2.4% | 96.5% |
| Hamburger Sparkasse | 7,908 | 6,555 | 1,354 | 20.6 | 64.9% | 28.2% | 7.0% | 100.0% |
| Helaba | 16,366 | 7,584 | 8,783 | 115.8 | 28.4% | 69.4% | 2.2% | 50.7% |
| Hamburg Commercial Bank | 3,990 | 3,357 | 633 | 18.9 | 14.6% | 73.3% | 12.1% | 92.6% |
| ING-DiBa | 9,561 | 6,365 | 3,196 | 50.2 | 100.0% | 0.0% | 0.0% | 100.0% |
| Kreissparkasse Köln | 5,867 | 1,206 | 4,661 | 386.4 | 85.6% | 13.2% | 1.3% | 100.0% |
| Landesbank Berlin | 5,748 | 3,538 | 2,210 | 62.5 | 67.2% | 28.9% | 3.9% | 100.0% |
| LBBW | 16,489 | 12,246 | 4,243 | 34.6 | 39.7% | 54.4% | 5.9% | 81.0% |
| M.M.Warburg & CO Hypothekenbank | 1,293 | 1,102 | 191 | 17.4 | 18.2% | 76.9% | 4.9% | 93.7% |
| Münchener Hypothekenbank | 33,236 | 31,377 | 1,859 | 5.9 | 79.7% | 17.5% | 2.8% | 79.4% |
| Natixis Pfandbriefbank | 1,563 | 1,316 | 247 | 18.8 | 7.0% | 77.1% | 16.0% | 46.7% |
| NORD/LB | 11,952 | 9,387 | 2,565 | 27.3 | 39.1% | 54.2% | 6.6% | 69.4% |
| Oldenburgische Landesbank | 969 | 531 | 438 | 82.4 | 91.9% | 0.9% | 7.2% | 100.0% |
| Deutsche Pfandbriefbank | 18,475 | 15,603 | 2,872 | 18.4 | 16.5% | 79.5% | 4.0% | 43.1% |
| PSD Bank Nürnberg | 1,042 | 631 | 412 | 65.3 | 97.7% | 0.0% | 2.3% | 100.0% |
| PSD Bank Rhein-Ruhr | 641 | 389 | 252 | 64.7 | 97.7% | 0.0% | 2.3% | 100.0% |
| SaarLB | 818 | 561 | 256 | 45.7 | 2.4% | 93.3% | 4.3% | 63.1% |
| Santander Consumer Bank | 1,150 | 1,025 | 125 | 12.2 | 95.5% | 0.0% | 4.5% | 100.0% |
| Sparda-Bank Südwest | 54 | 5 | 49 | 982.8 | 81.5% | 0.0% | 18.5% | 100.0% |
| Sparkasse Hannover | 2,303 | 1,658 | 646 | 38.9 | 78.7% | 17.5% | 3.9% | 100.0% |
| Stadtsparkasse Düsseldorf | 1,963 | 1,010 | 953 | 94.3 | 71.0% | 24.0% | 5.0% | 100.0% |
| Sparkasse KölnBonn | 7,340 | 1,994 | 5,345 | 268.0 | 69.6% | 17.7% | 12.7% | 100.0% |
| UniCredit Bank | 29,941 | 25,459 | 4,483 | 17.6 | 69.5% | 28.7% | 1.9% | 100.0% |
| Wüstenrot Bausparkasse | 3,047 | 2,549 | 498 | 19.5 | 87.4% | 1.1% | 11.5% | 100.0% |

Source: vdp, Deutsche Bank, NORD/LB Markets Strategy & Floor Research

NORD/LB

## Market overview: public sector covered bonds

| Issuer | Cover pool | Pfandbrief volume | OC | | Cover type (in %) | | | | | DE share (in %) |
|---|---|---|---|---|---|---|---|---|---|---|
| | in EURm | in EURm | in EURm | in % | Central government | Regional authorities | Local authorities | Other debtors | Others | Primary assets |
| Aareal Bank | 1,532 | 1,392 | 140 | 10.0% | 16.3% | 63.5% | 19.0% | 1.2% | 0.0% | 76.2% |
| BayernLB | 23,296 | 17,189 | 6,107 | 35.5% | 6.8% | 39.1% | 44.2% | 8.1% | 1.9% | 93.6% |
| Berlin Hyp | 237 | 210 | 27 | 13.0% | 21.1% | 70.5% | 0.0% | 0.0% | 8.4% | 77.0% |
| Commerzbank | 14,042 | 11,937 | 2,105 | 17.6% | 25.3% | 29.7% | 40.8% | 3.8% | 0.4% | 61.0% |
| DekaBank | 4,535 | 3,509 | 1,026 | 29.2% | 11.4% | 13.0% | 56.5% | 19.1% | 0.0% | 86.5% |
| Deutsche Bank | 126 | 90 | 36 | 40.0% | 46.4% | 49.2% | 0.0% | 0.0% | 4.4% | 51.5% |
| DKB | 8,005 | 6,395 | 1,610 | 25.2% | 0.1% | 9.6% | 66.9% | 23.3% | 0.0% | 100.0% |
| Deutsche Pfandbriefbank | 11,165 | 10,095 | 1,070 | 10.6% | 41.6% | 34.4% | 11.0% | 13.1% | 0.0% | 26.3% |
| DZ HYP | 13,774 | 11,742 | 2,032 | 17.3% | 8.0% | 22.9% | 64.8% | 4.2% | 0.0% | 81.1% |
| Hamburg Commercial Bank | 984 | 878 | 105 | 12.0% | 21.9% | 64.8% | 10.3% | 3.0% | 0.0% | 76.0% |
| Kreissparkasse Köln | 306 | 203 | 103 | 50.5% | 16.7% | 0.0% | 60.6% | 22.7% | 0.0% | 89.9% |
| LBBW | 12,572 | 9,395 | 3,177 | 33.8% | 20.6% | 20.3% | 46.6% | 12.5% | 0.0% | 94.3% |
| Landesbank Berlin | 700 | 260 | 440 | 169.2% | 0.0% | 7.1% | 0.0% | 92.9% | 0.0% | 100.0% |
| Helaba | 32,491 | 28,525 | 3,967 | 13.9% | 3.6% | 34.1% | 46.5% | 14.3% | 1.4% | 93.2% |
| LIGA Bank | 150 | 90 | 60 | 66.8% | 0.0% | 0.0% | 93.3% | 6.7% | 0.0% | 100.0% |
| M.M.Warburg & CO Hypothekenbank | 14 | 5 | 9 | 178.2% | 0.0% | 89.9% | 10.1% | 0.0% | 0.1% | 100.0% |
| Münchener Hypothekenbank | 1,534 | 1,406 | 127 | 9.0% | 7.8% | 81.2% | 6.1% | 4.9% | 0.0% | 89.9% |
| NORD/LB | 14,925 | 12,037 | 2,888 | 24.0% | 6.4% | 29.6% | 39.3% | 22.1% | 2.7% | 89.2% |
| SaarLB | 3,812 | 2,697 | 1,114 | 41.3% | 1.8% | 7.1% | 84.0% | 7.1% | 0.0% | 59.4% |
| Sparkasse Hannover | 928 | 697 | 231 | 33.2% | 0.0% | 2.7% | 89.6% | 7.7% | 0.0% | 100.0% |
| Sparkasse KölnBonn | 251 | 36 | 214 | 592.3% | 0.1% | 5.4% | 79.4% | 15.0% | 0.0% | 100.0% |
| Stadtsparkasse Düsseldorf | 168 | 30 | 138 | 458.9% | 0.0% | 0.0% | 82.4% | 11.6% | 6.0% | 100.0% |
| UniCredit Bank | 6,310 | 5,296 | 1,014 | 19.1% | 20.6% | 33.3% | 45.6% | 0.5% | 0.0% | 92.2% |

Source: vdp, Deutsche Bank, NORD/LB Markets Strategy & Floor Research

## Market overview: ship covered bonds

| Issuer | Cover pool | Pfandbrief volume | OC | |
|---|---|---|---|---|
| | in EURm | in EURm | in EURm | in % |
| Commerzbank | 144 | 119 | 25 | 21.0% |
| Hamburg Commercial Bank | 2,381 | 1,908 | 473 | 24.8% |
| NORD/LB | 40 | 11 | 30 | 281.0% |

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

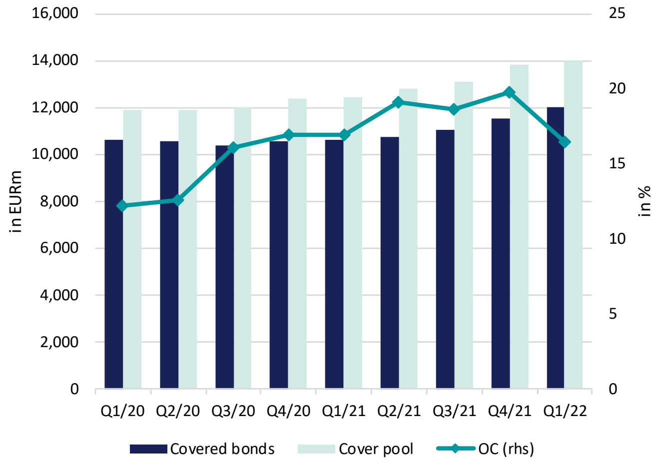
# Aareal Bank

# Mortgage

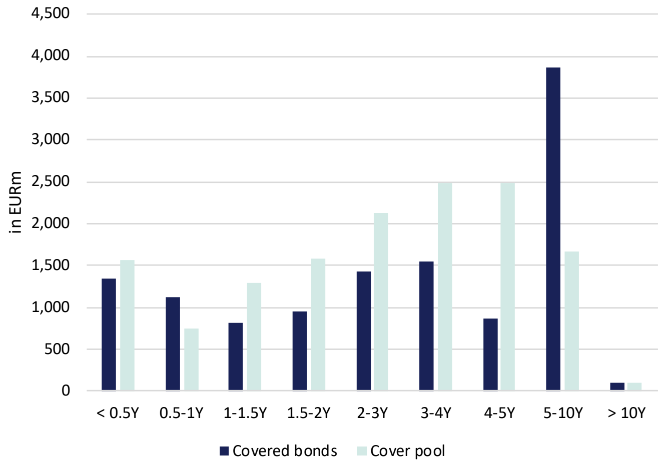
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 14,025.2 | Number of loans | 3,461 |
| of which residential | 6.4% | Number of borrowers | 3,532 |
| of which commercial | 84.4% | Number of properties | 4,413 |
| of which substitution assets | 9.9% | Avg. exposure to borrowers (EUR) | 3,606,597 |
| of which derivatives | -0.7% | Share of 10 largest borrowers | 10.3% |
| Covered bonds (EURm) | 12,037.3 | Share of owner-occupied dwellings | 0.7% |
| OC (EURm) | 1,987.9 | Share of multi-familiy houses | 5.6% |
| OC | 16.5% | EUR share (Cover pool) | 77.5% |
| Fixed interest (Cover pool) | 54.3% | EUR share (Covered bonds) | 86.2% |
| Fixed interest (Covered bonds) | 80.7% | Largest FX position (NPV in EURm) | USD (1,019.0) |
| WAL (Cover pool) | 3.0y | Share of largest exposure tranche | 95.6% (> EUR 10m) |
| WAL (Covered Bonds) | 3.7y | Avg. seasoning | 4.7y |
| Avg. LTV (Original value) | 55.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | 32.6% | | |

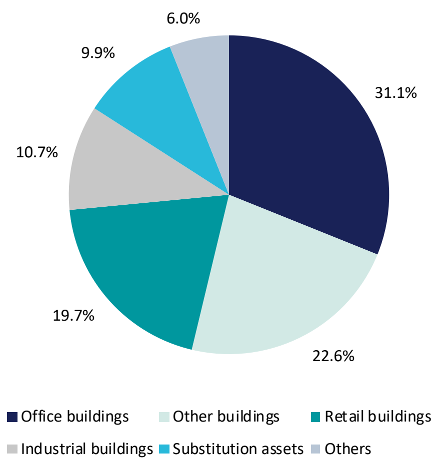
## Development of cover pool data



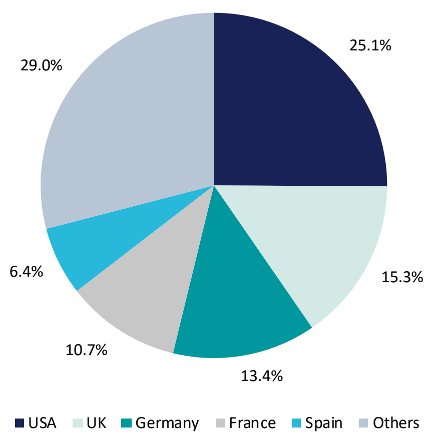

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

NORD/LB

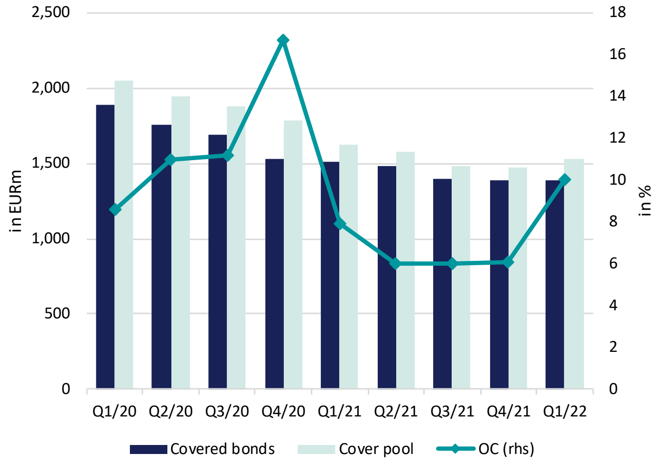
# Aareal Bank

# Public sector

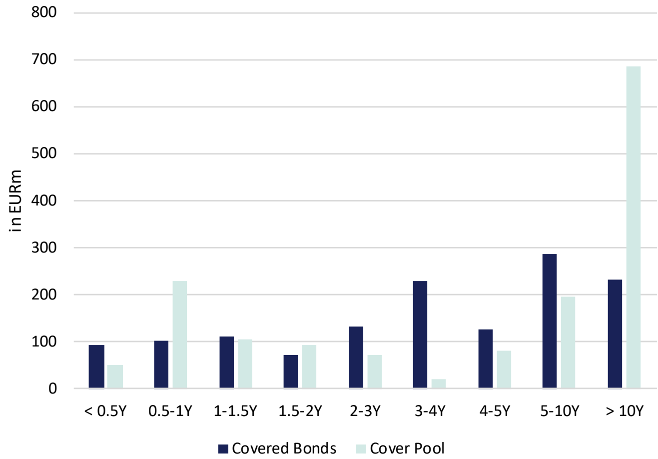
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,531.6 | Number of loans | 174 |
| of which substitution assets | 0.0% | Number of borrowers | 100 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 79.3% |
| Covered bonds (EURm) | 1,391.8 | Avg. exposure to borrowers (EUR) | 15,316,000 |
| OC (EURm) | 139.8 | EUR share (Cover pool) | 100.0% |
| OC | 10.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 93.3% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 95.7% | Share of largest exposure tranche | 57.4% (> EUR 100m) |
| WAL (Cover pool) | 7.6y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.7y | | |

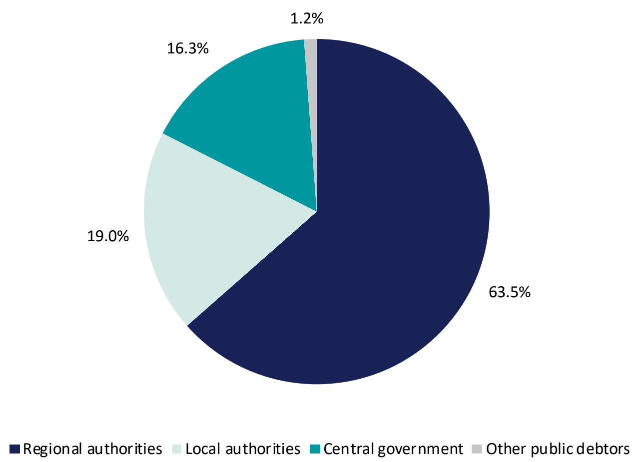
## Development of cover pool data



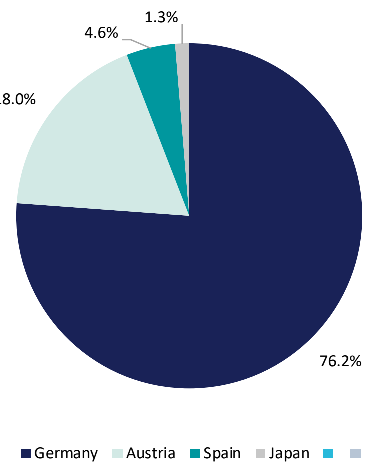

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



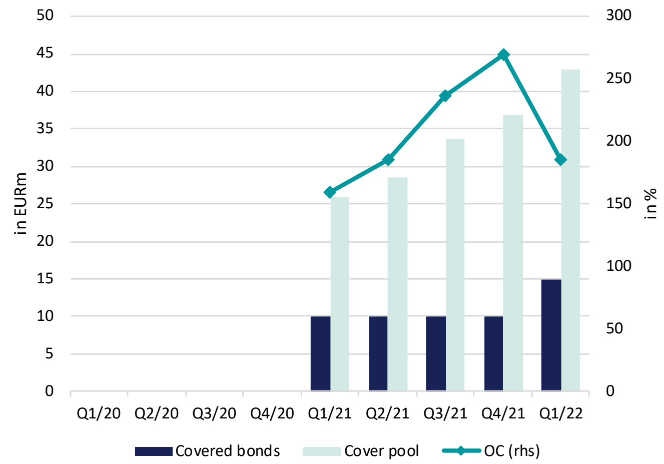

Source: vdp, NORD/LB Markets Strategy & Floor Research

# ALTE LEIPZIGER Bauspar — Mortgage

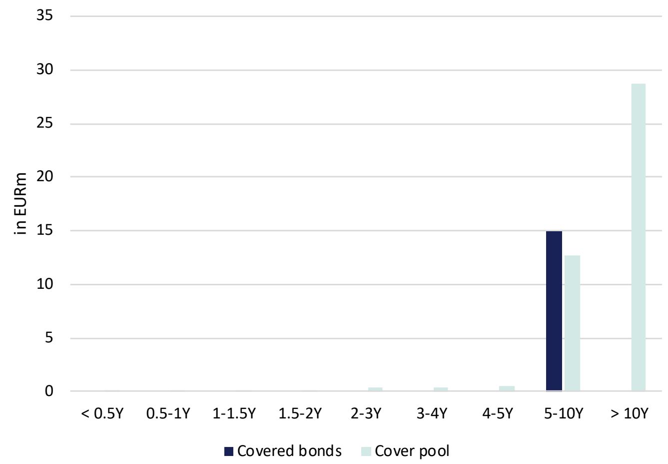
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 42.9 | Number of loans | n/a |
| of which residential | 95.3% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution assets | 4.7% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 15.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 27.9 | Share of multi-familiy houses | n/a |
| OC | 185.9% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 96.8% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 2.0y |
| Avg. LTV (Original value) | 56.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

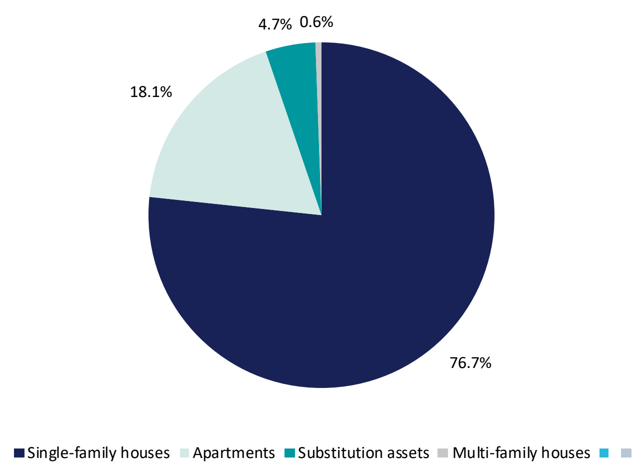
## Development of cover pool data



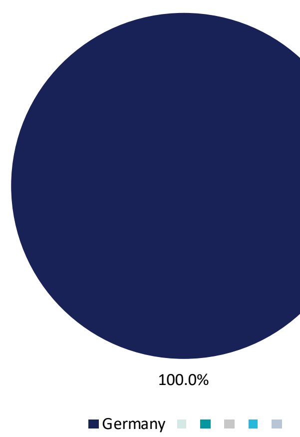

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

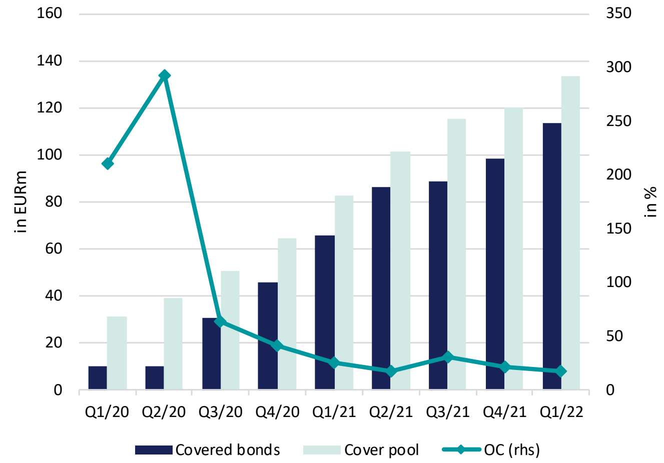
# Bausparkasse Mainz

# Mortgage

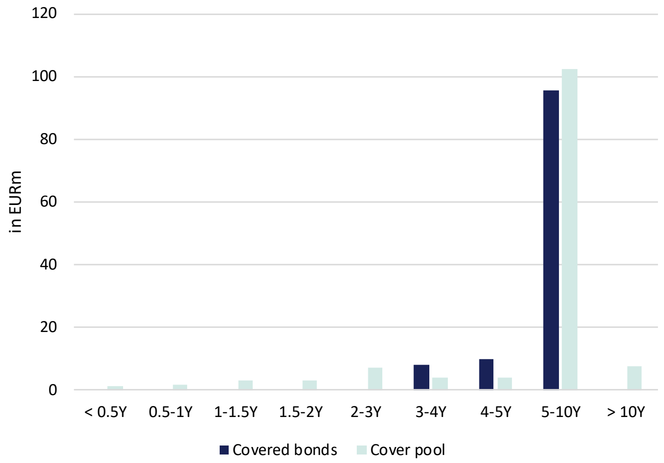
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 133.9 | Number of loans | n/a |
| of which residential | 95.5% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution assets | 4.5% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 113.7 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 20.2 | Share of multi-familiy houses | n/a |
| OC | 17.8% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 98.5% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 2.0y |
| Avg. LTV (Original value) | 55.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

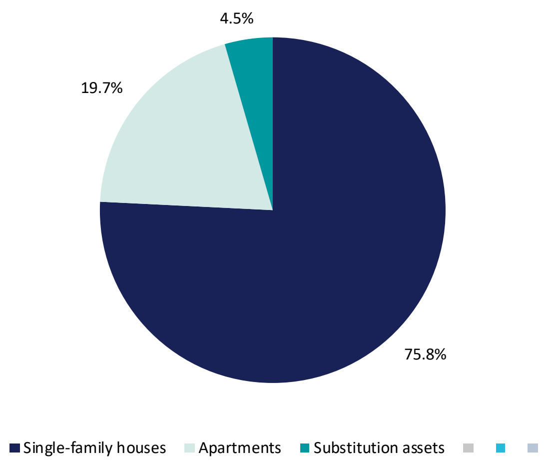
## Development of cover pool data



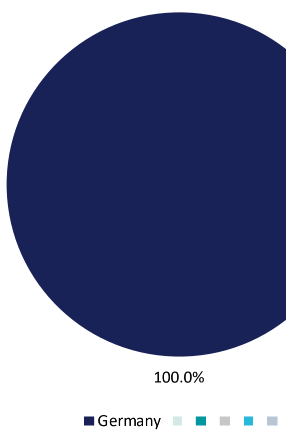

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



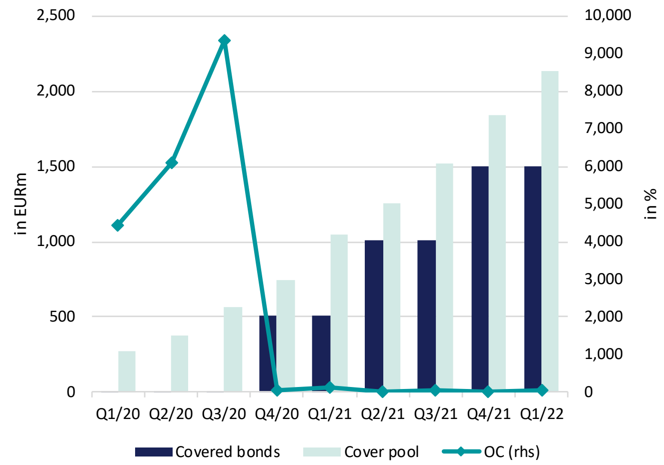

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Bausparkasse Schwäbisch Hall — Mortgage

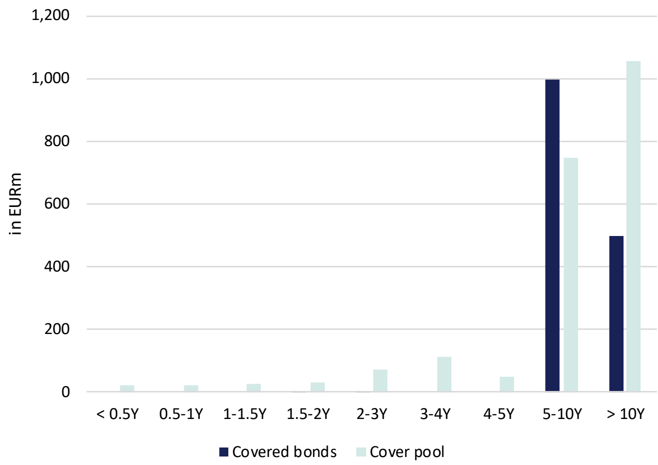
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 2,140.1 | Number of loans | 14,761 |
| of which residential | 95.3% | Number of borrowers | 23,122 |
| of which commercial | 0.4% | Number of properties | 13,924 |
| of which substitution assets | 4.3% | Avg. exposure to borrowers (EUR) | 88,579 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.4% |
| Covered bonds (EURm) | 1,506.0 | Share of owner-occupied dwellings | 84.7% |
| OC (EURm) | 634.1 | Share of multi-familiy houses | 2.9% |
| OC | 42.1% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 10.7y | Share of largest exposure tranche | 89.3% (< EUR 0.3m) |
| WAL (Covered Bonds) | 9.7y | Avg. seasoning | 1.9y |
| Avg. LTV (Original value) | 50.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

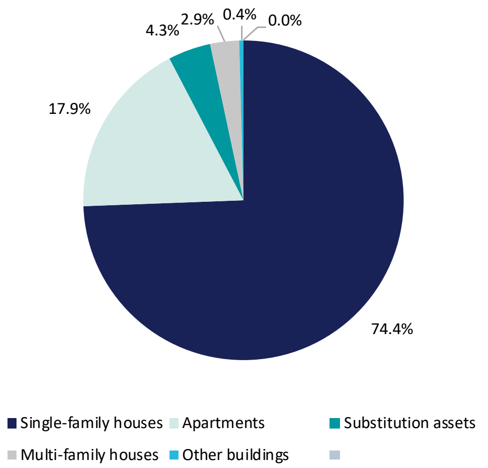
## Development of cover pool data



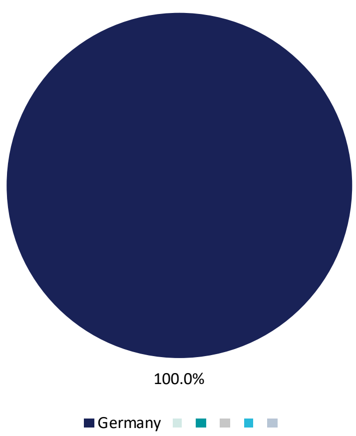

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

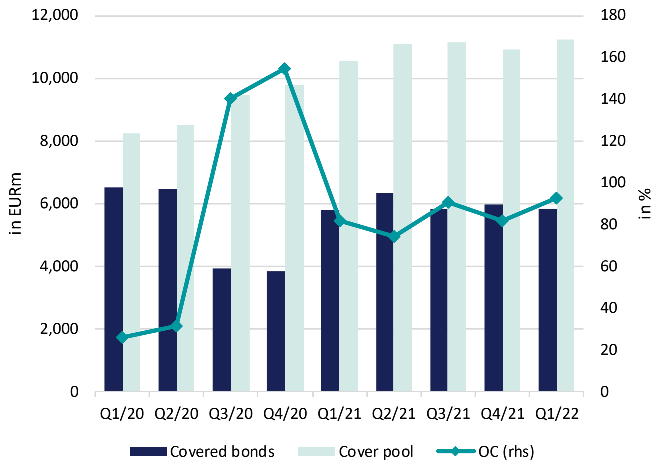
# BayernLB

# Mortgage

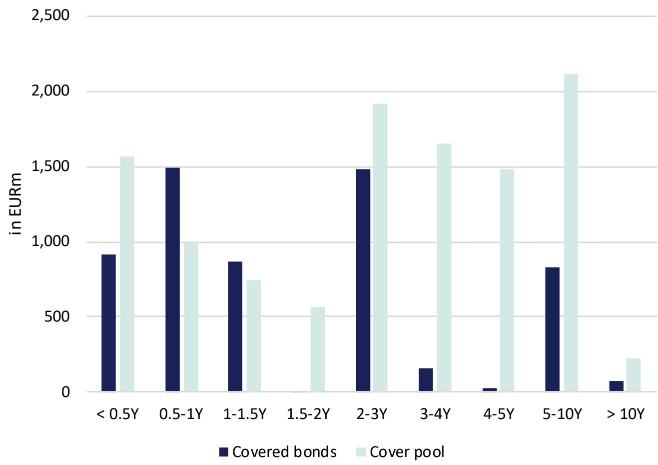
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 11,265.5 | Number of loans | 645 |
| of which residential | 13.2% | Number of borrowers | 484 |
| of which commercial | 83.6% | Number of properties | 1,170 |
| of which substitution assets | 3.2% | Avg. exposure to borrowers (EUR) | 22,534,144 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 12.1% |
| Covered bonds (EURm) | 5,838.9 | Share of owner-occupied dwellings | 0.3% |
| OC (EURm) | 5,426.6 | Share of multi-familiy houses | 12.5% |
| OC | 92.9% | EUR share (Cover pool) | 90.0% |
| Fixed interest (Cover pool) | 69.8% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 53.9% | Largest FX position (NPV in EURm) | USD (777.2) |
| WAL (Cover pool) | 3.4y | Share of largest exposure tranche | 87.2% (> EUR 10m) |
| WAL (Covered Bonds) | 2.5y | Avg. seasoning | 4.4y |
| Avg. LTV (Original value) | 58.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

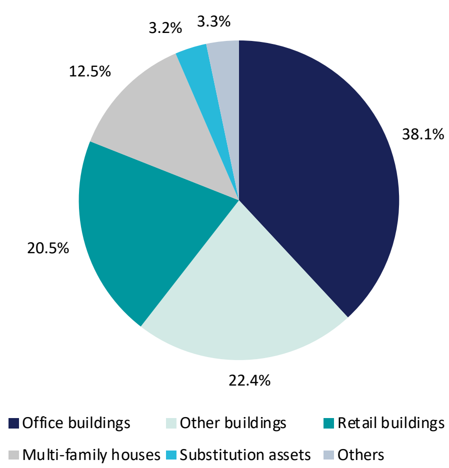
## Development of cover pool data



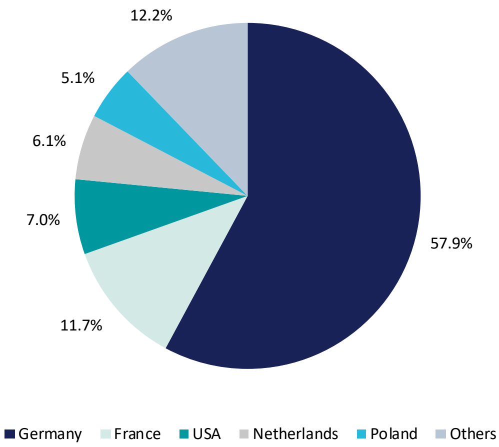

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

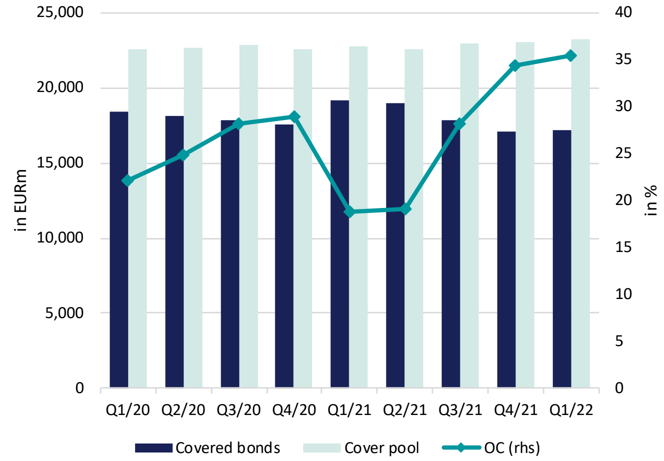
# BayernLB

# Public sector

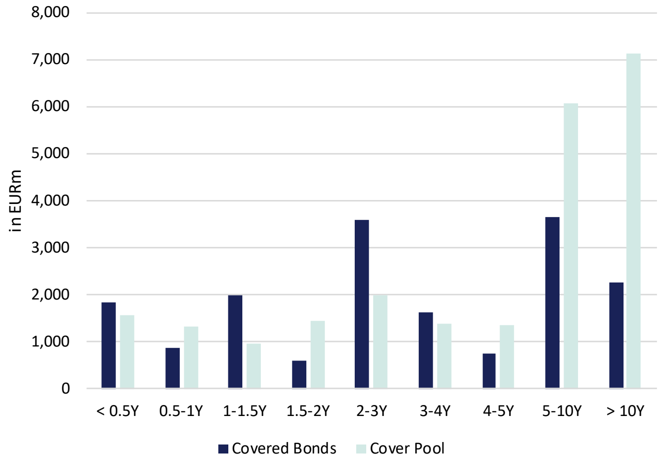
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 23,296.3 | Number of loans | 81,709 |
| of which substitution assets | 1.9% | Number of borrowers | 52,213 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 21.8% |
| Covered bonds (EURm) | 17,189.4 | Avg. exposure to borrowers (EUR) | 437,741 |
| OC (EURm) | 6,106.9 | EUR share (Cover pool) | 96.3% |
| OC | 35.5% | EUR share (Covered bonds) | 97.7% |
| Fixed interest (Cover pool) | 92.4% | Largest FX position (NPV in EURm) | GBP (377.9) |
| Fixed interest (Covered bonds) | 88.2% | Share of largest exposure tranche | 55.7% (> EUR 100m) |
| WAL (Cover pool) | 9.1y | Loans in arrears (>90 days) | 0.01% |
| WAL (Covered Bonds) | 5.0y | | |

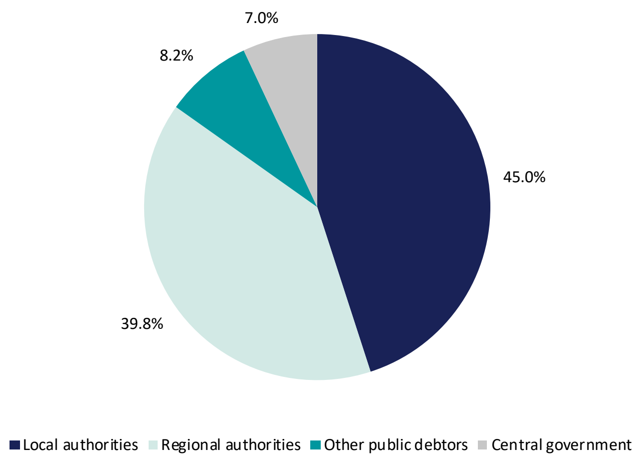
## Development of cover pool data



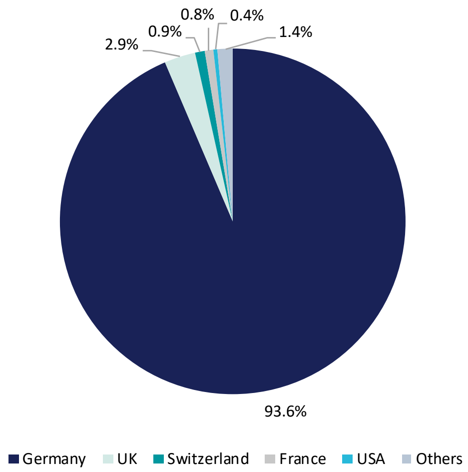

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



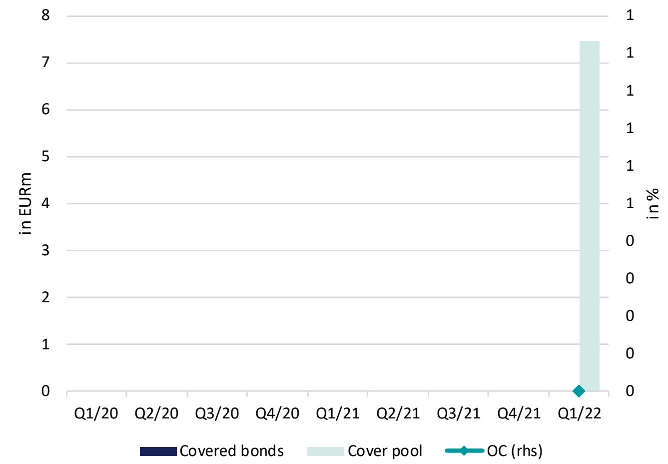

Source: vdp, NORD/LB Markets Strategy & Floor Research

# BBBank — Mortgage

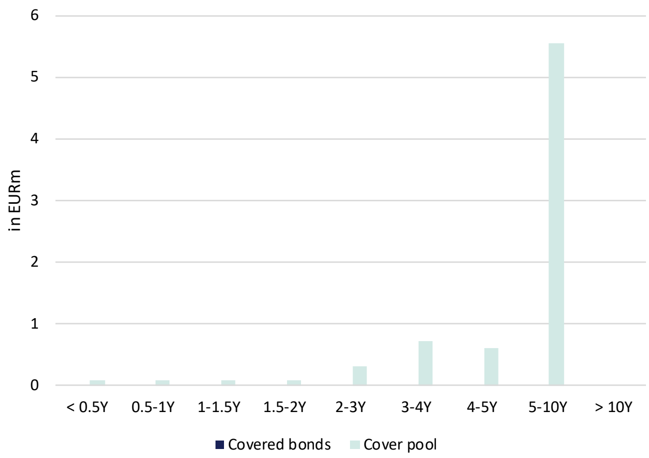
## Cover pool data

| | | | |
|---|---|---|---|
| Deckungsmasse (EURm) | 7.5 | Anzahl der Kredite | 57 |
| davon wohnwirtschaftlich | 86.5% | Anzahl der Kreditnehmer | 48 |
| davon gewerblich | 0.0% | Anzahl der Objekte | 49 |
| davon Ersatzdeckung | 13.4% | Ø Darlehensbetrag pro Kreditnehmer (EUR) | 135,000 |
| davon Derivate | 0.0% | Anteil der 10 größten Kreditnehmer | 30.0% |
| Pfandbriefvolumen (EURm) | 0.0 | Anteil selbstgenutztes Wohneigentum | 69.8% |
| Überdeckung (EURm) | 7.5 | Anteil Mehrfamilienhäuser | 2.0% |
| Überdeckungsquote | 0.0% | EUR-Anteil (Deckungsmasse) | 100.0% |
| Anteil festverzinsliche Deckungsmasse | 100.0% | EUR-Anteil (Pfandbriefe) | - |
| Anteil festverzinsliche Pfandbriefe | 0.0% | Größte FX-Position (NPV in EURm) | - |
| WAL (Deckungsmasse) | 7.1y | Anteil der größten Forderungsklasse | 100.0% (< EUR 0.3m) |
| WAL (Pfandbriefe) | n/a | Ø Alter der Forderungen (Seasoning) | 1.6y |
| Ø LTV (Ursprungswert) | 50.5% | Rückständige Kredite (>90 Tage) | 0.00% |
| Ø LTV (Marktwert) | n/a | | |

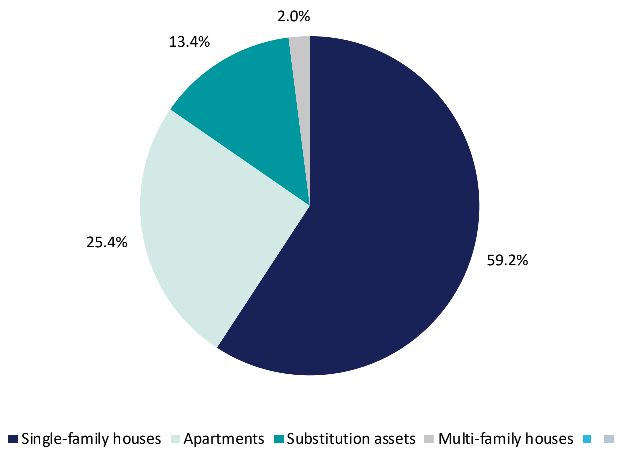
## Development of cover pool data



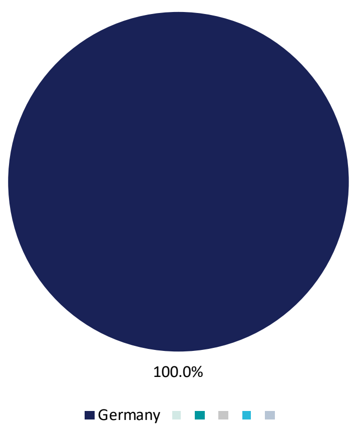

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

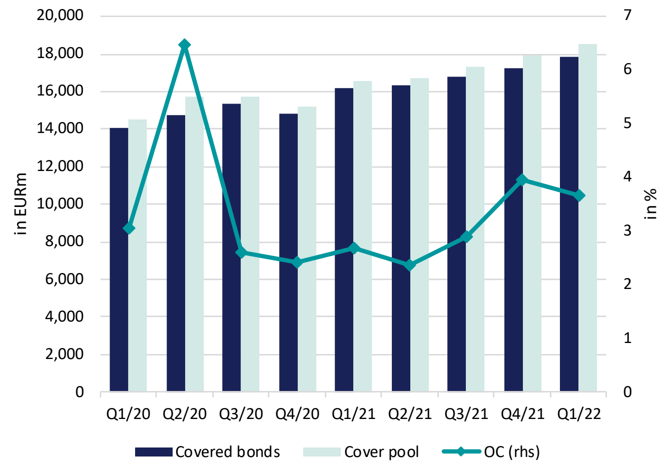
# Berlin Hyp

# Mortgage

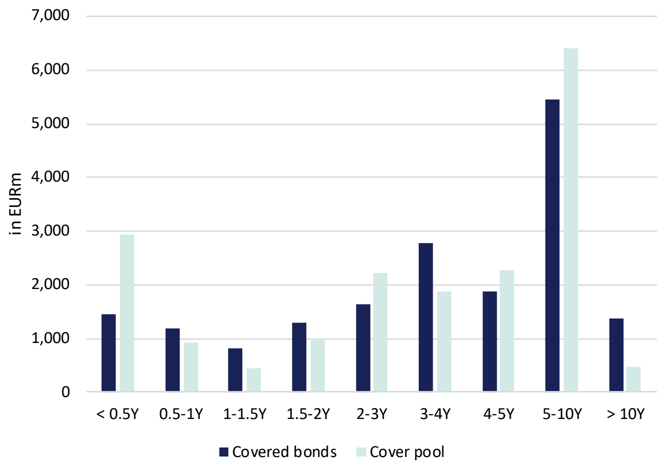
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 18,515.8 | Number of loans | 1,509 |
| of which residential | 29.6% | Number of borrowers | 1,368 |
| of which commercial | 57.6% | Number of properties | 5,049 |
| of which substitution assets | 12.7% | Avg. exposure to borrowers (EUR) | 11,813,457 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 19.2% |
| Covered bonds (EURm) | 17,859.1 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 656.7 | Share of multi-familiy houses | 28.7% |
| OC | 3.7% | EUR share (Cover pool) | 99.6% |
| Fixed interest (Cover pool) | 78.3% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 83.9% | Largest FX position (NPV in EURm) | GBP (70.1) |
| WAL (Cover pool) | 4.3y | Share of largest exposure tranche | 85.2% (> EUR 10m) |
| WAL (Covered Bonds) | 5.1y | Avg. seasoning | 3.9y |
| Avg. LTV (Original value) | 57.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

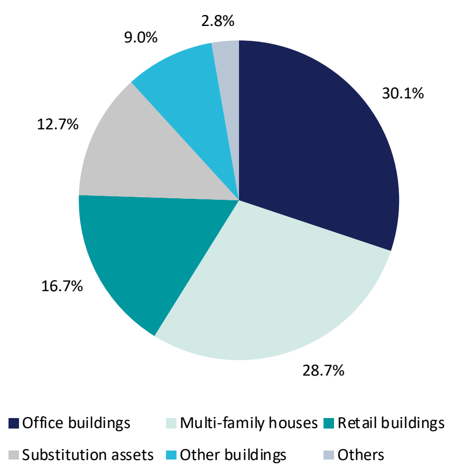
## Development of cover pool data



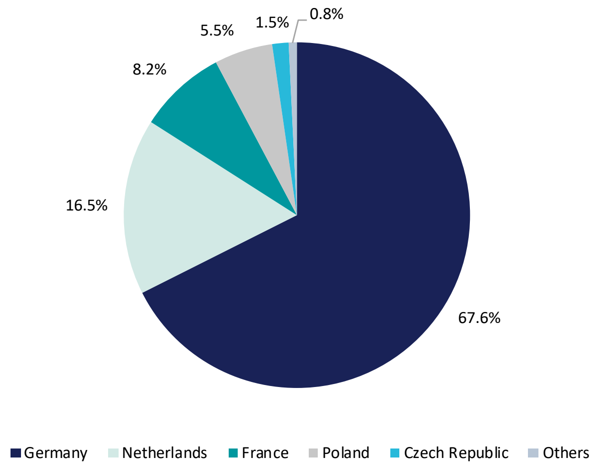

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

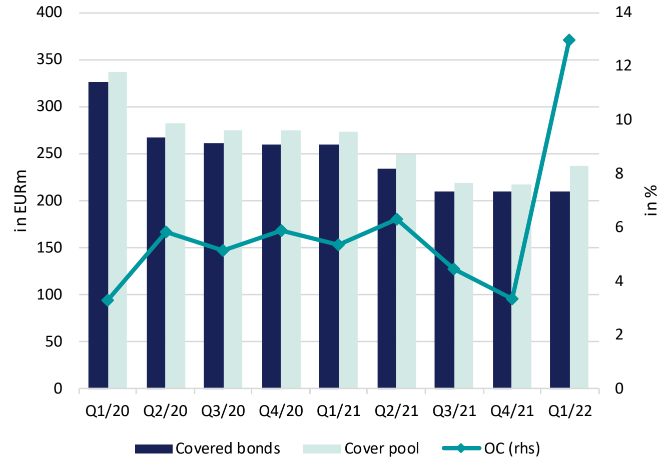
# Berlin Hyp

# Public sector

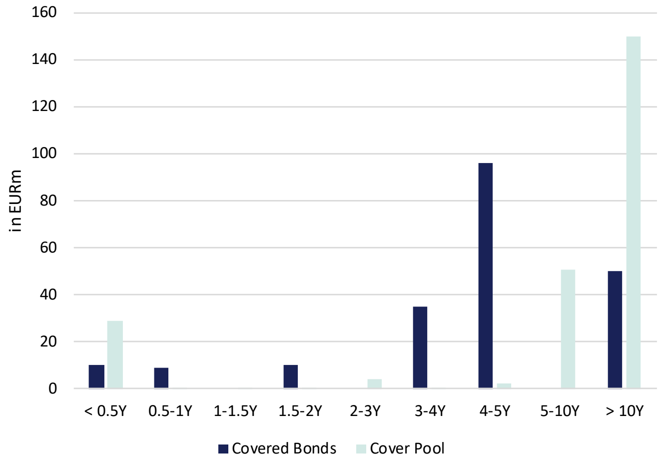
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 237.3 | Number of loans | 37 |
| of which substitution assets | 8.4% | Number of borrowers | 40 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 87.8% |
| Covered bonds (EURm) | 210.0 | Avg. exposure to borrowers (EUR) | 5,433,240 |
| OC (EURm) | 27.3 | EUR share (Cover pool) | 100.0% |
| OC | 13.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 92.0% (EUR 10-100m) |
| WAL (Cover pool) | 11.1y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 6.1y | | |

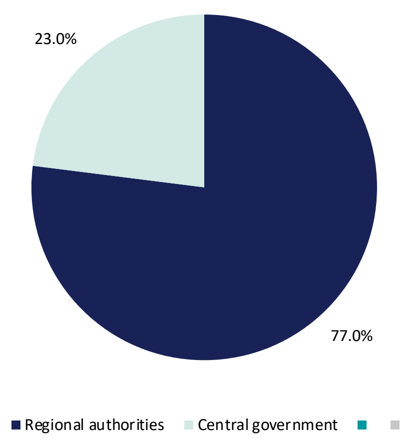
## Development of cover pool data



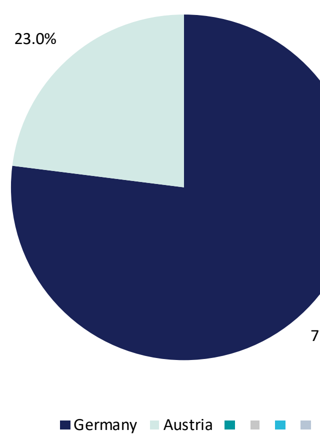

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



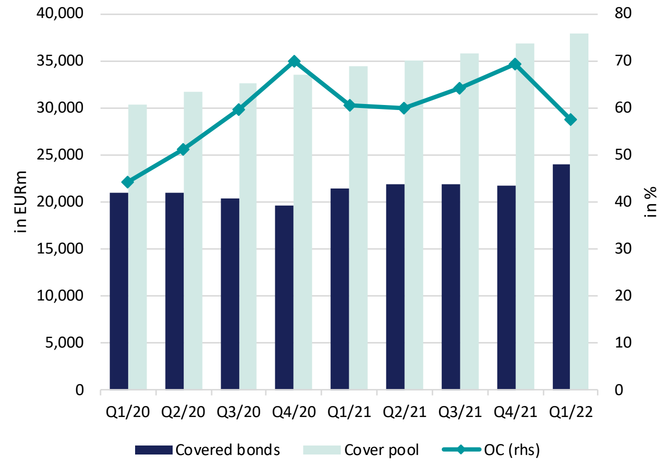

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Commerzbank Mortgage

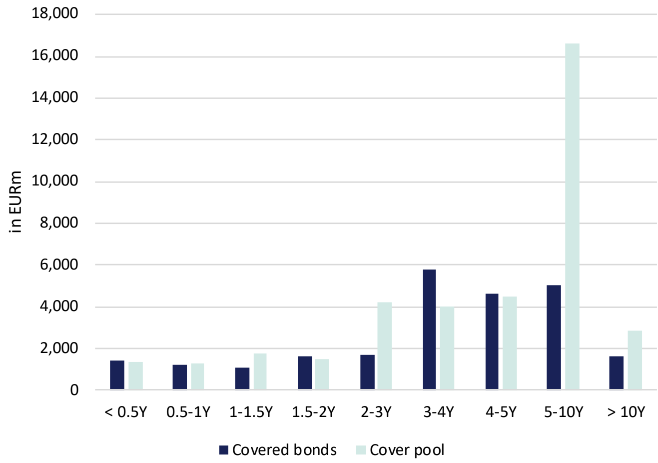
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 37,984.5 | Number of loans | 290,581 |
| of which residential | 94.9% | Number of borrowers | 228,554 |
| of which commercial | 2.2% | Number of properties | 256,438 |
| of which substitution assets | 2.9% | Avg. exposure to borrowers (EUR) | 161,343 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 1.5% |
| Covered bonds (EURm) | 24,117.6 | Share of owner-occupied dwellings | 16.3% |
| OC (EURm) | 13,866.9 | Share of multi-familiy houses | 10.4% |
| OC | 57.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 98.3% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 76.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.6y | Share of largest exposure tranche | 75.9% (< EUR 0.3m) |
| WAL (Covered Bonds) | 4.6y | Avg. seasoning | 4.9y |
| Avg. LTV (Original value) | 52.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

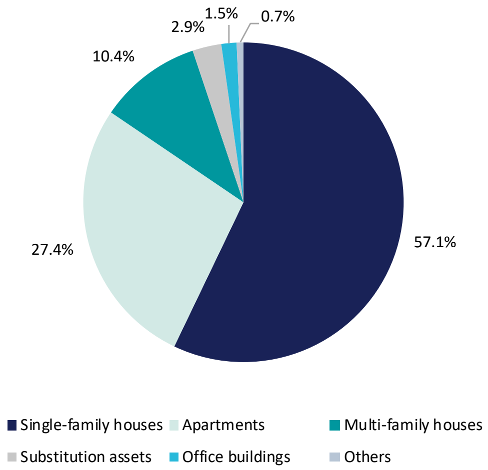
## Development of cover pool data



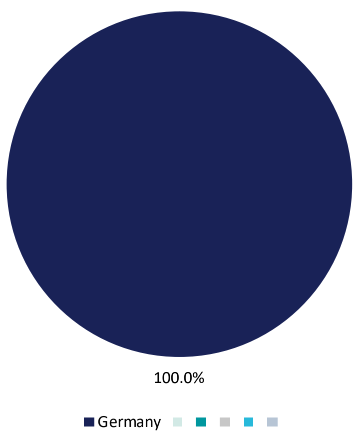

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

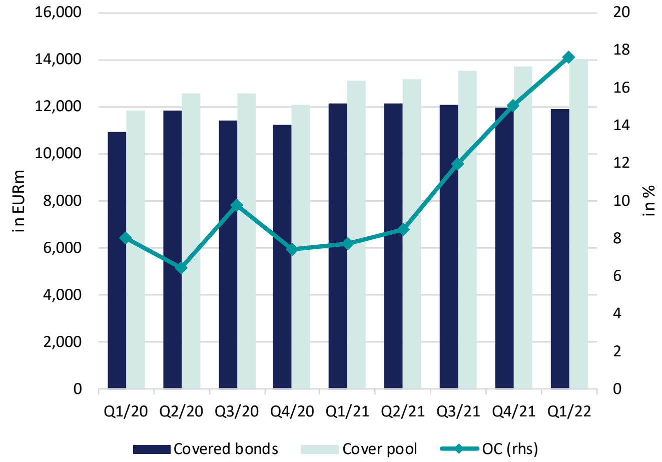
# Commerzbank

# Public sector

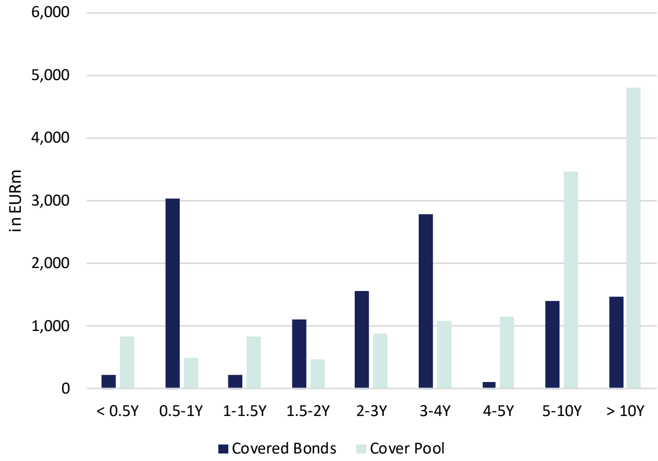
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 14,041.7 | Number of loans | 1,243 |
| of which substitution assets | 0.4% | Number of borrowers | 637 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 28.7% |
| Covered bonds (EURm) | 11,936.8 | Avg. exposure to borrowers (EUR) | 21,960,795 |
| OC (EURm) | 2,104.9 | EUR share (Cover pool) | 75.2% |
| OC | 17.6% | EUR share (Covered bonds) | 97.7% |
| Fixed interest (Cover pool) | 72.3% | Largest FX position (NPV in EURm) | GBP (2,013.8) |
| Fixed interest (Covered bonds) | 38.9% | Share of largest exposure tranche | 62.2% (> EUR 100m) |
| WAL (Cover pool) | 10.5y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.2y | | |

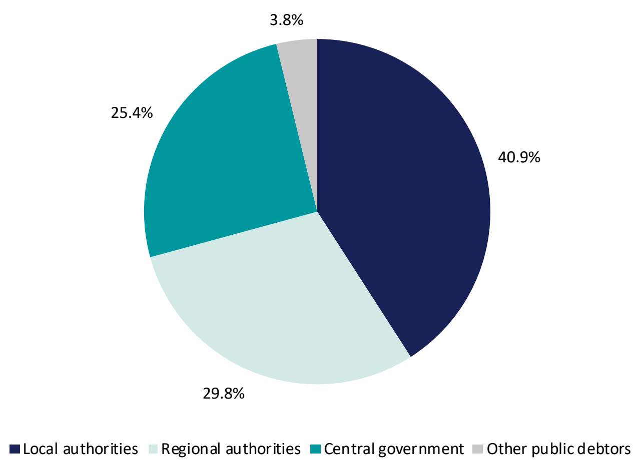
## Development of cover pool data



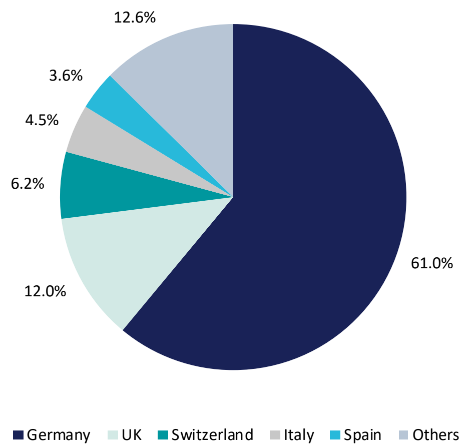

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

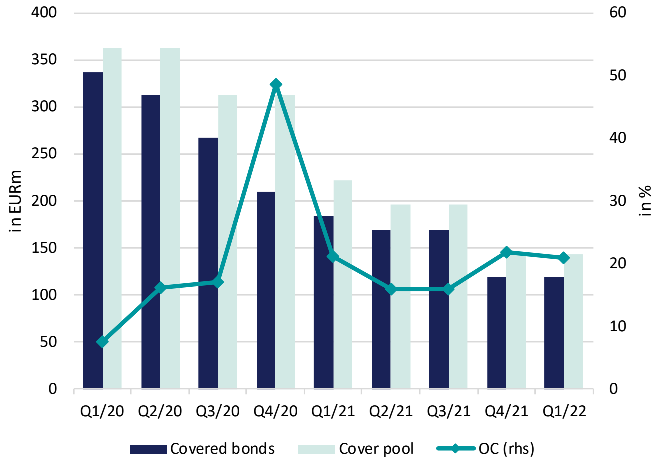
# Commerzbank

# Ship

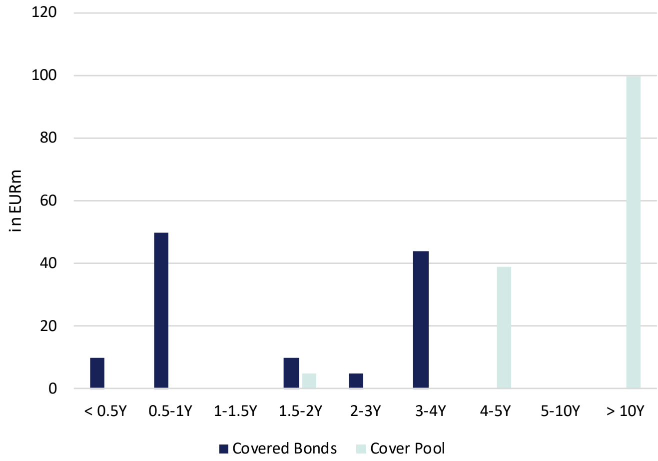
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 144.0 | Number of loans | n/a |
| of which substitution assets | 100.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Avg. exposure to borrowers (EUR) | n/a |
| Covered bonds (EURm) | 119.0 | Largest FX position (NPV in EURm) | - |
| OC (EURm) | 25.0 | Share of largest exposure tranche | n/a |
| OC | 21.0% | Loans in arrears (>90 days) | 0.00% |
| Fixed interest (Cover pool) | 100.0% | | |
| Fixed interest (Covered bonds) | 100.0% | | |
| WAL (Cover pool) | 10.8y | | |
| WAL (Covered Bonds) | 1.8y | | |

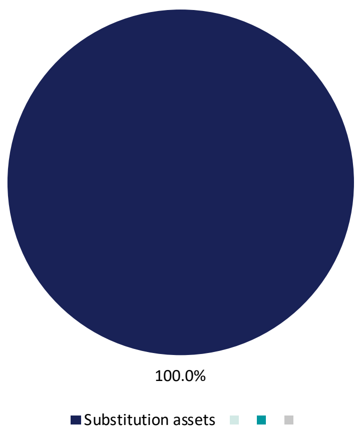
## Development of cover pool data




## Maturity structure




## Composition of cover pool




## Regional distribution of primary assets

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

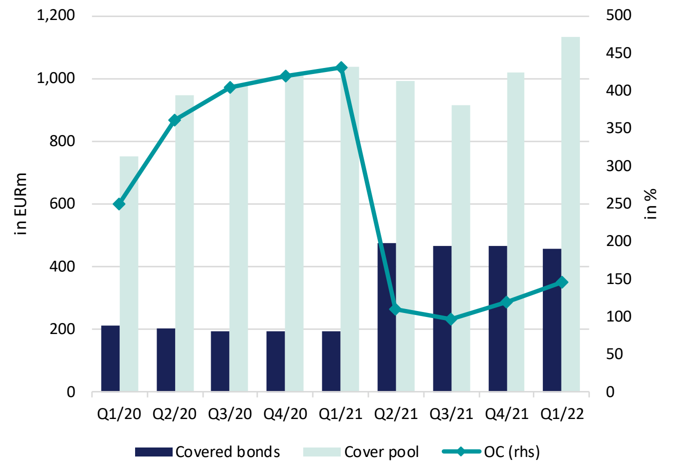
# DekaBank

# Mortgage

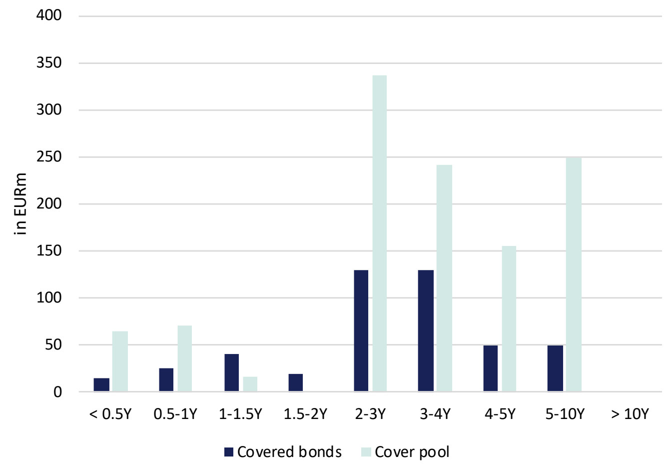
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,136.5 | Number of loans | 27 |
| of which residential | 0.0% | Number of borrowers | 30 |
| of which commercial | 97.8% | Number of properties | 41 |
| of which substitution assets | 2.2% | Avg. exposure to borrowers (EUR) | 37,050,333 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 49.8% |
| Covered bonds (EURm) | 460.0 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 676.5 | Share of multi-familiy houses | 0.0% |
| OC | 147.1% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 74.7% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 3.7y | Share of largest exposure tranche | 100.0% (> EUR 10m) |
| WAL (Covered Bonds) | 3.1y | Avg. seasoning | 3.2y |
| Avg. LTV (Original value) | 59.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

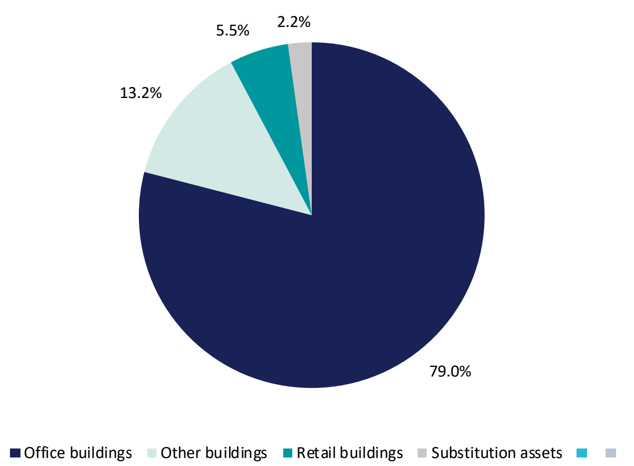
## Development of cover pool data



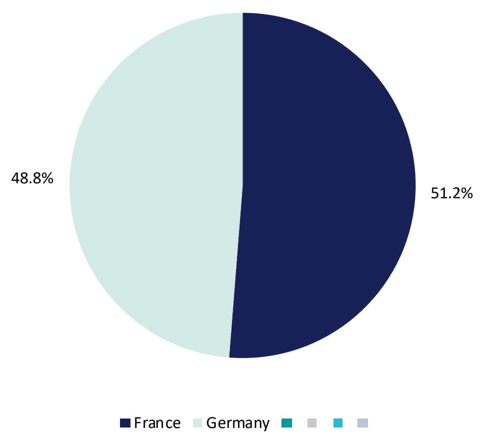

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

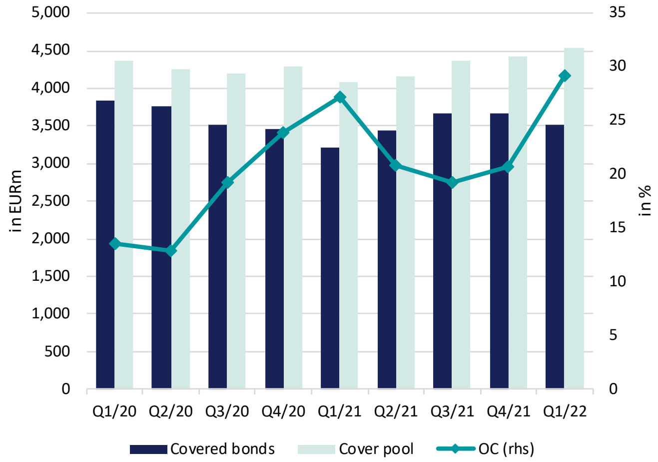
# DekaBank

# Public sector

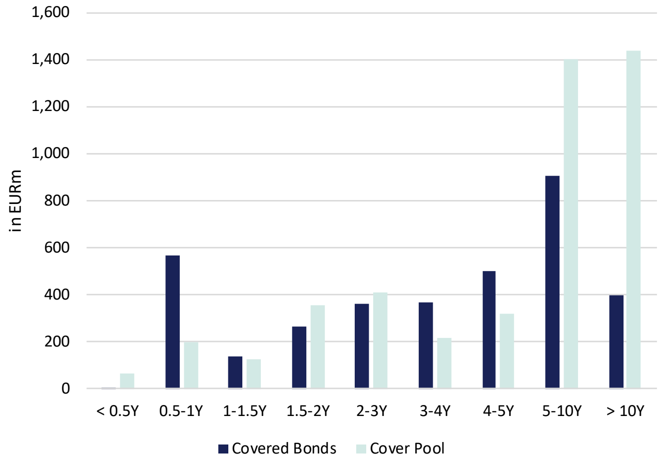
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 4,534.8 | Number of loans | 292 |
| of which substitution assets | 0.0% | Number of borrowers | 97 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 36.6% |
| Covered bonds (EURm) | 3,509.1 | Avg. exposure to borrowers (EUR) | 46,750,753 |
| OC (EURm) | 1,025.8 | EUR share (Cover pool) | 97.7% |
| OC | 29.2% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 79.7% | Largest FX position (NPV in EURm) | USD (109.4) |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 52.4% (EUR 10-100m) |
| WAL (Cover pool) | 6.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.9y | | |

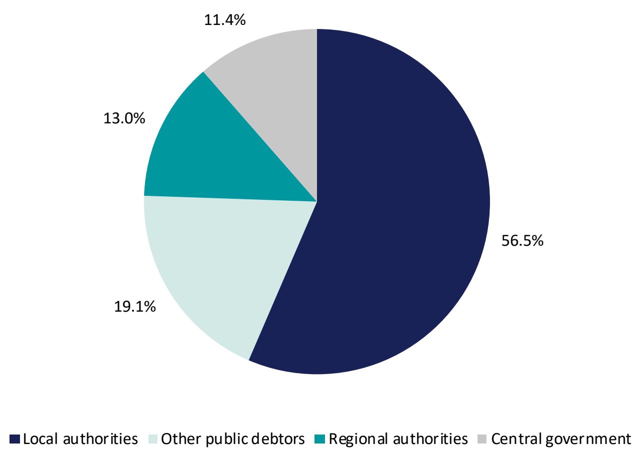
## Development of cover pool data



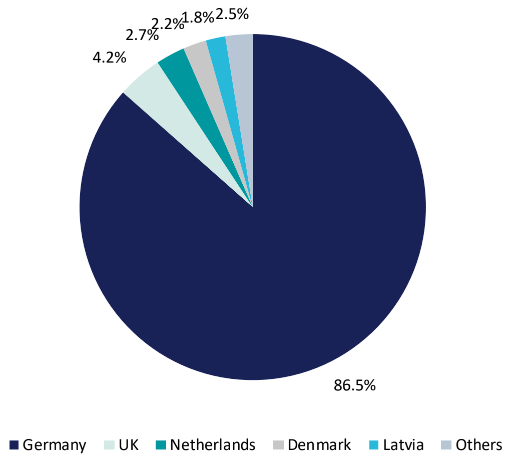

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



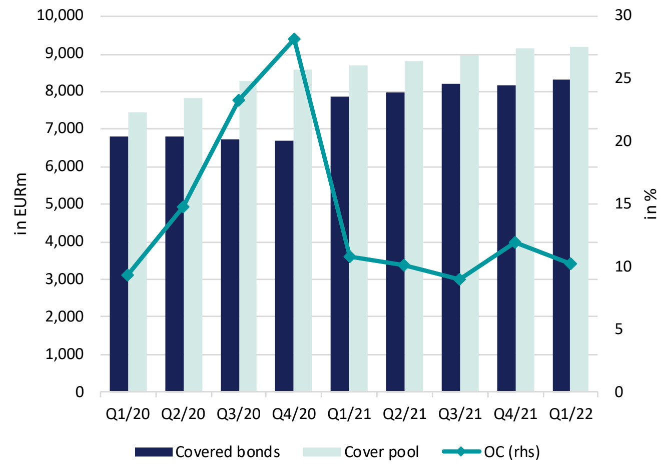

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Deutsche Apotheker- und Ärztebank — Mortgage

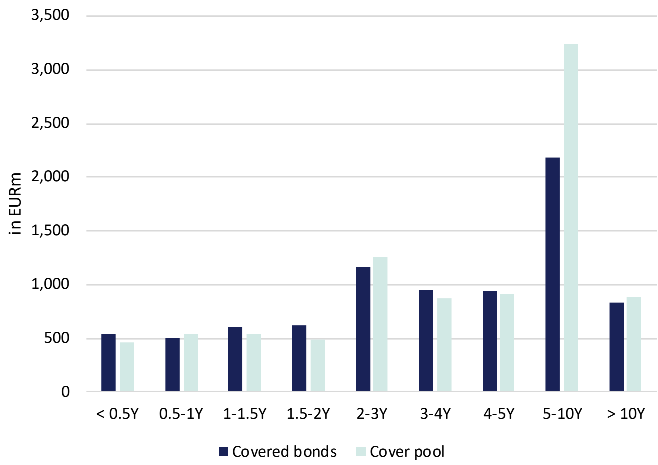
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 9,187.0 | Number of loans | 83,564 |
| of which residential | 76.8% | Number of borrowers | 46,284 |
| of which commercial | 17.6% | Number of properties | 61,687 |
| of which substitution assets | 5.7% | Avg. exposure to borrowers (EUR) | 187,256 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 5.2% |
| Covered bonds (EURm) | 8,329.1 | Share of owner-occupied dwellings | 53.6% |
| OC (EURm) | 857.9 | Share of multi-familiy houses | 9.0% |
| OC | 10.3% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 92.7% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 58.7% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.1y | Share of largest exposure tranche | 72.2% (< EUR 0.3m) |
| WAL (Covered Bonds) | 5.5y | Avg. seasoning | 5.6y |
| Avg. LTV (Original value) | 54.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

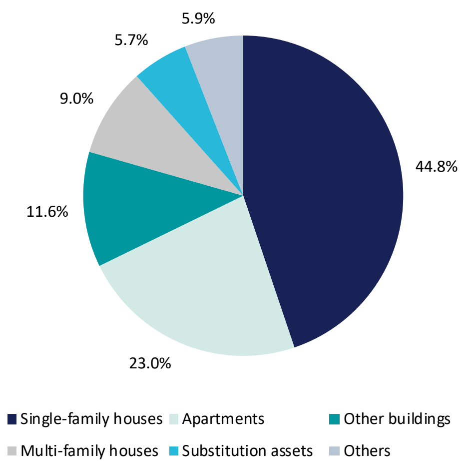
## Development of cover pool data



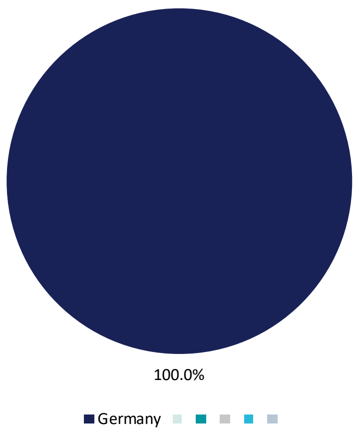

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



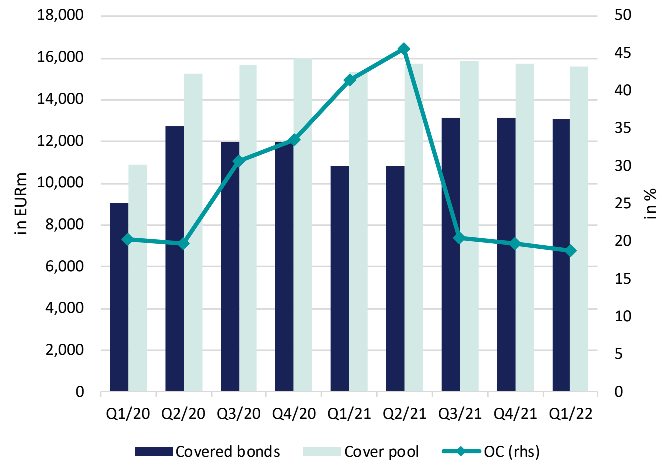

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Deutsche Bank — Mortgage

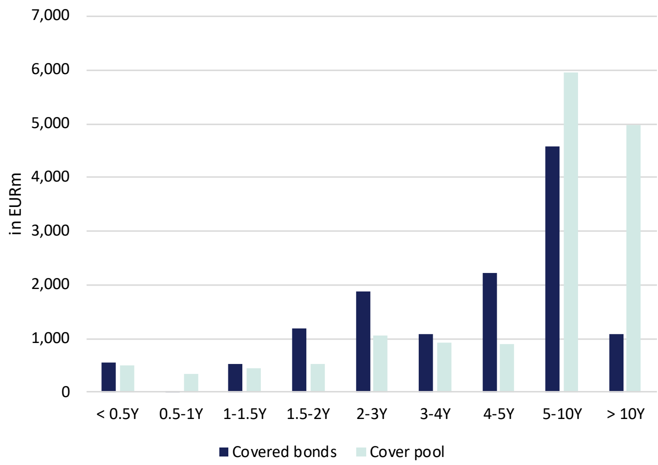
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 15,568.3 | Number of loans | n/a |
| of which residential | 89.2% | Number of borrowers | n/a |
| of which commercial | 7.0% | Number of properties | n/a |
| of which substitution assets | 3.8% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 13,102.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,466.3 | Share of multi-familiy houses | n/a |
| OC | 18.8% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 99.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 59.9% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 79.8% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.4y |
| Avg. LTV (Original value) | 53.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

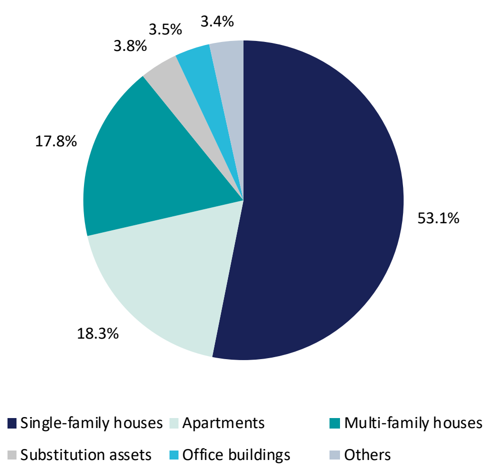
## Development of cover pool data



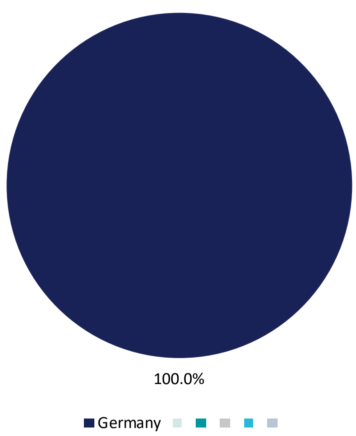

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




Source: Deutsche Bank, NORD/LB Markets Strategy & Floor Research

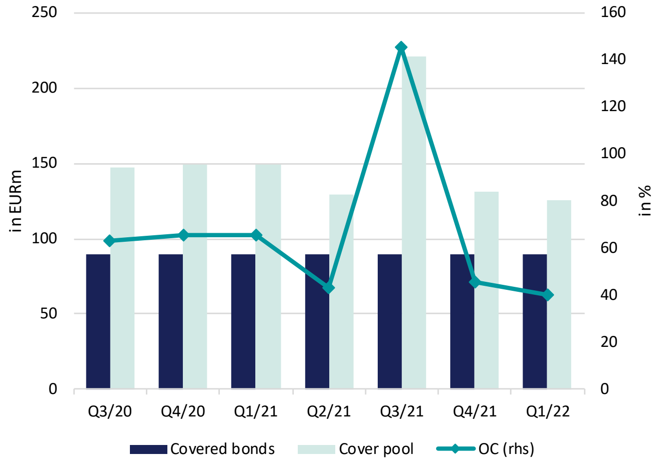
# Deutsche Bank

# Public sector

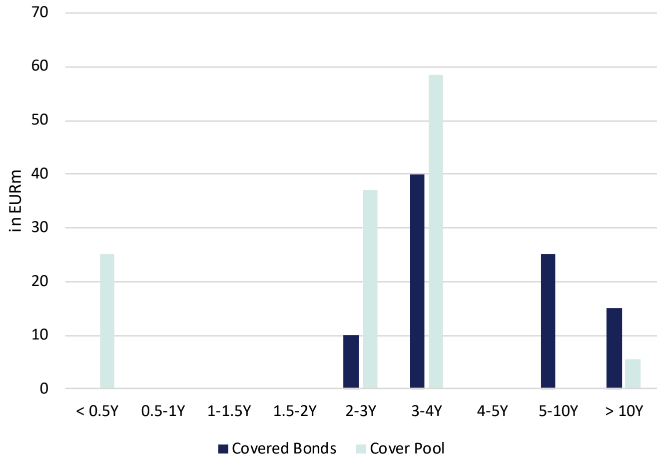
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 126.0 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 90.0 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 36.0 | EUR share (Cover pool) | n/a |
| OC | 40.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 100.0% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

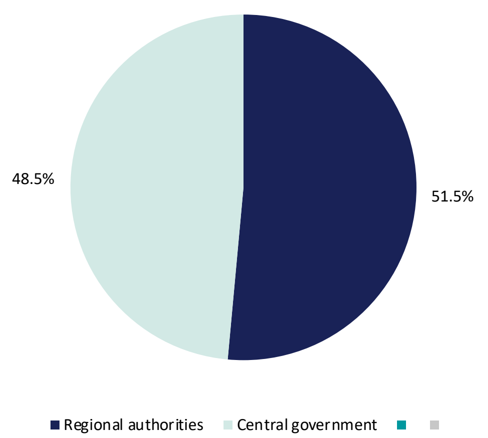
## Development of cover pool data



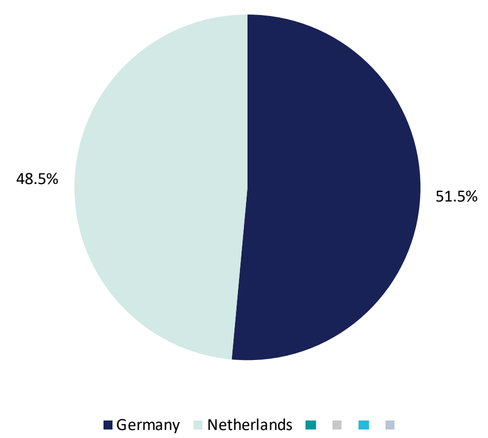

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



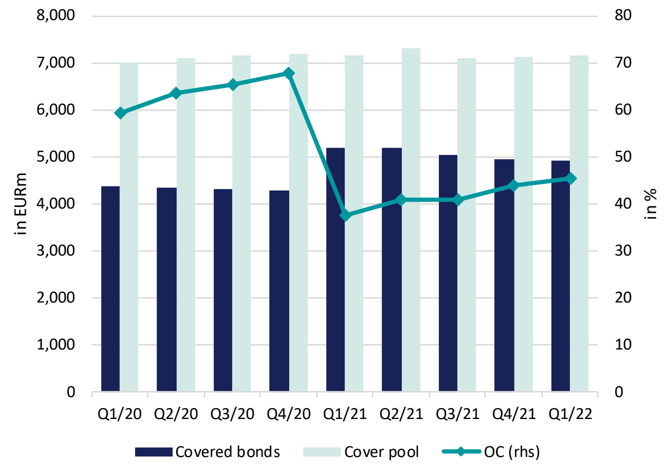

Source: Deutsche Bank, NORD/LB Markets Strategy & Floor Research

# Deutsche Kreditbank — Mortgage

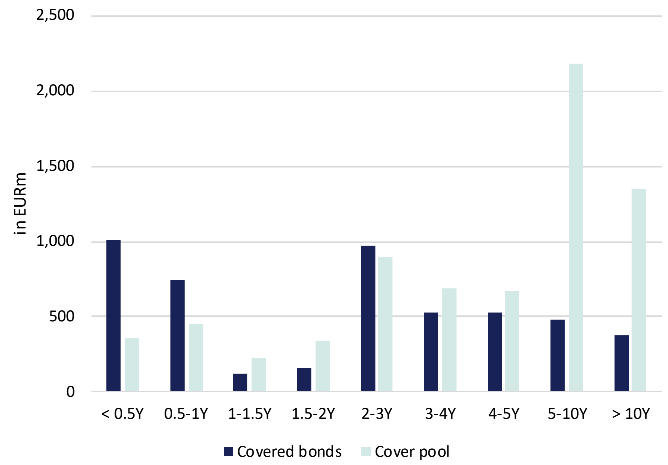
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 7,162.3 | Number of loans | n/a |
| of which residential | 93.6% | Number of borrowers | n/a |
| of which commercial | 1.8% | Number of properties | n/a |
| of which substitution assets | 4.6% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 4,924.5 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,237.8 | Share of multi-familiy houses | n/a |
| OC | 45.4% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 95.1% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 44.2% (EUR 1-10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 8.8y |
| Avg. LTV (Original value) | 50.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

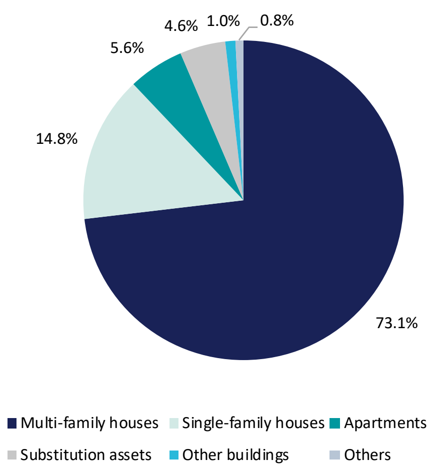
## Development of cover pool data



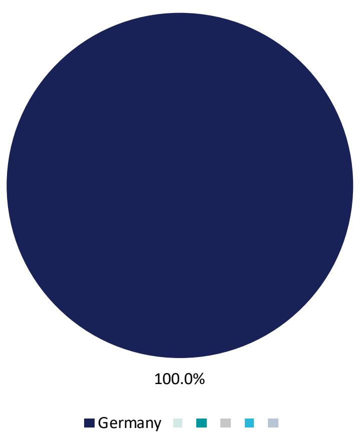

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

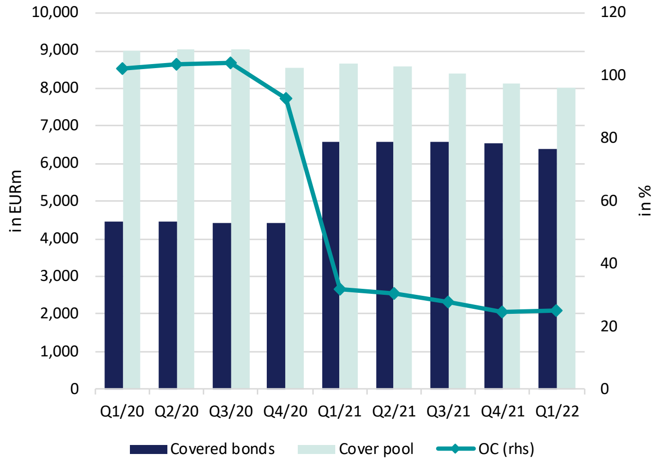
# Deutsche Kreditbank

# Public sector

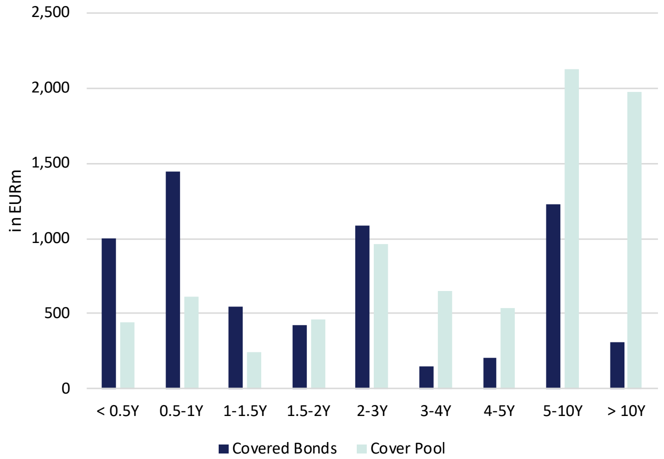
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 8,004.8 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 6,394.8 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 1,610.0 | EUR share (Cover pool) | n/a |
| OC | 25.2% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 96.3% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 96.1% | Share of largest exposure tranche | 48.7% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

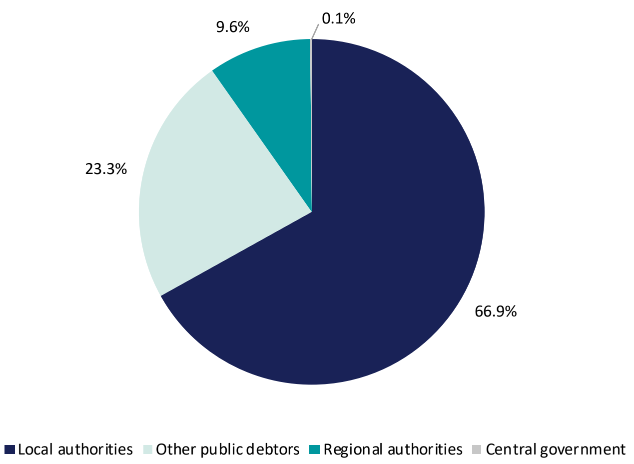
## Development of cover pool data



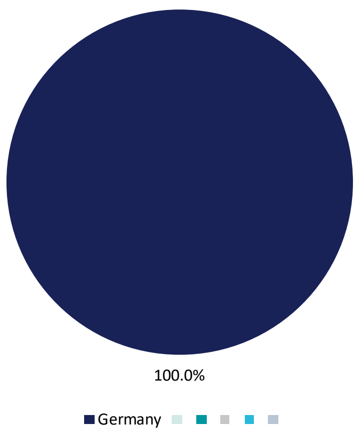

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

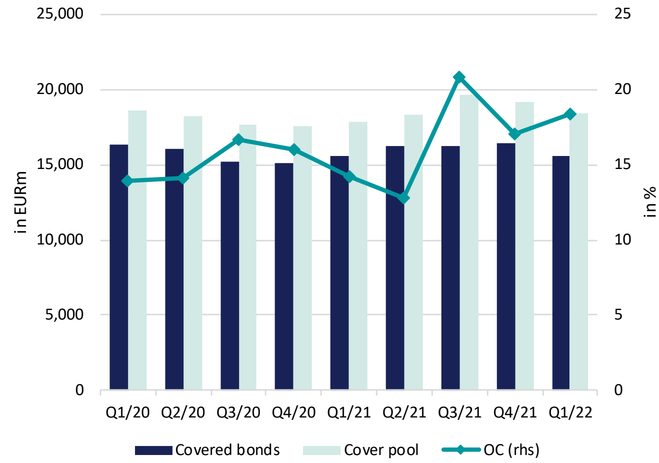
# Deutsche Pfandbriefbank

# Mortgage

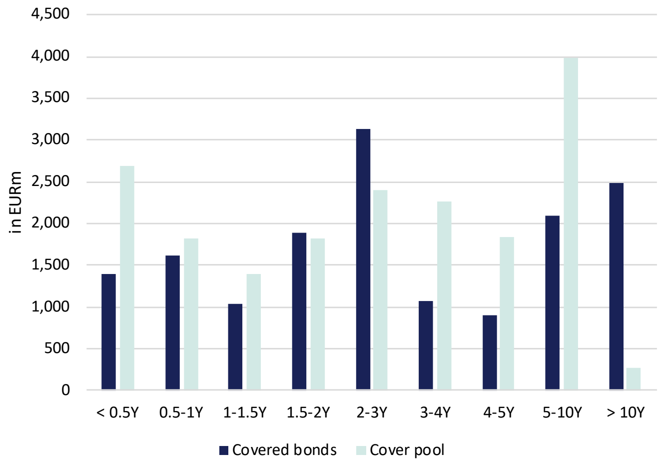
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 18,475.0 | Number of loans | 1,620 |
| of which residential | 16.5% | Number of borrowers | 789 |
| of which commercial | 79.5% | Number of properties | n/a |
| of which substitution assets | 4.0% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 15,603.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,872.0 | Share of multi-familiy houses | n/a |
| OC | 18.4% | EUR share (Cover pool) | 73.0% |
| Fixed interest (Cover pool) | 56.0% | EUR share (Covered bonds) | 73.2% |
| Fixed interest (Covered bonds) | 85.8% | Largest FX position (NPV in EURm) | GBP (389.1) |
| WAL (Cover pool) | 3.7y | Share of largest exposure tranche | 92.0% (> EUR 10m) |
| WAL (Covered Bonds) | 5.4y | Avg. seasoning | 3.4y |
| Avg. LTV (Original value) | 56.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | 32.6% | | |

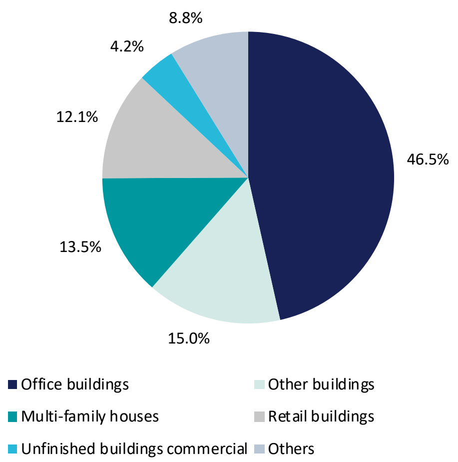
## Development of cover pool data



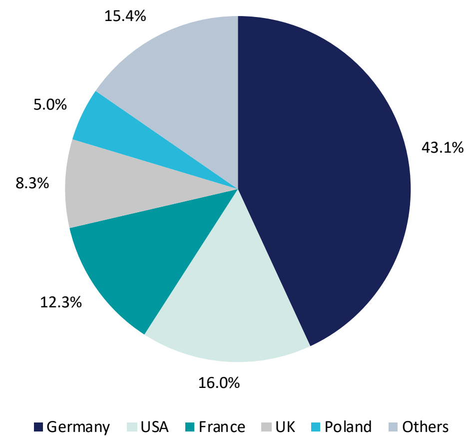

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

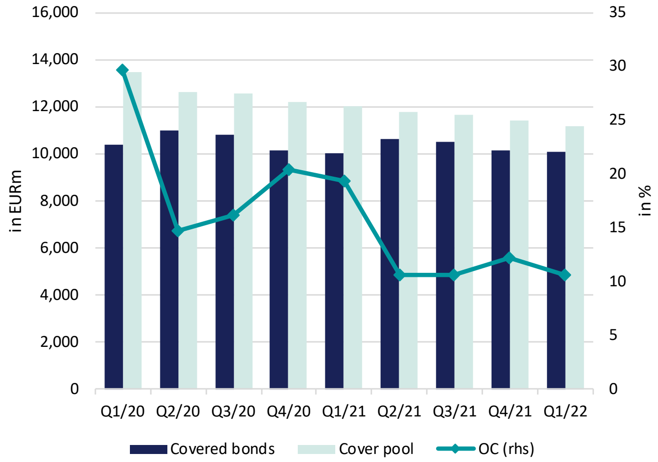
# Deutsche Pfandbriefbank

# Public sector

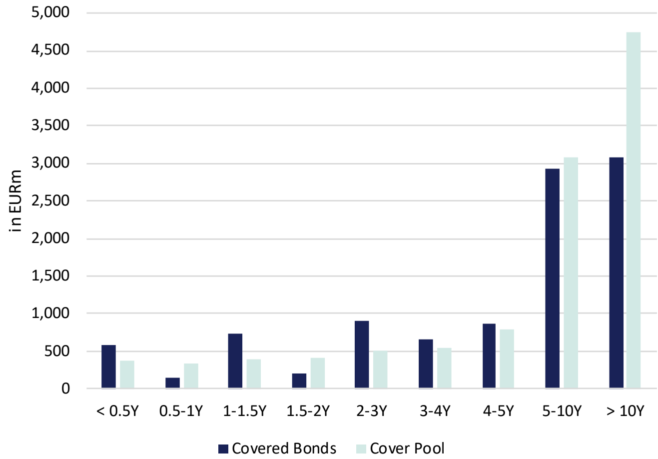
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 11,165.0 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 10,095.0 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 1,070.0 | EUR share (Cover pool) | n/a |
| OC | 10.6% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 73.0% | Largest FX position (NPV in EURm) | USD (512.0) |
| Fixed interest (Covered bonds) | 70.9% | Share of largest exposure tranche | 66.4% (> EUR 100m) |
| WAL (Cover pool) | 8.8y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 7.0y | | |

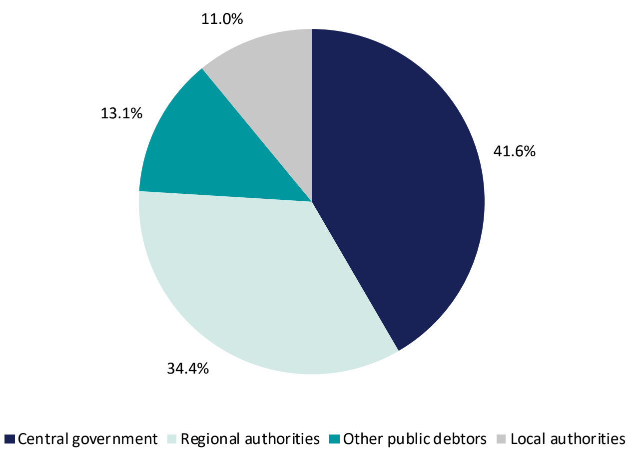
## Development of cover pool data



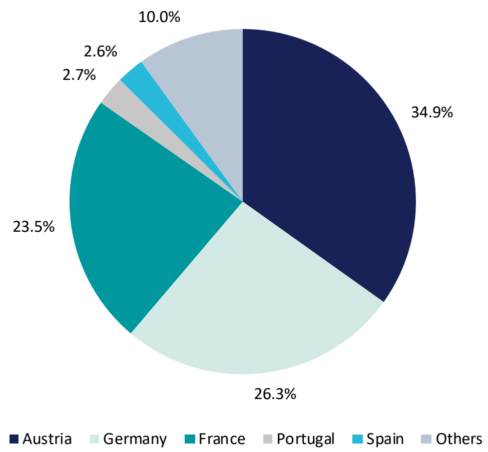

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



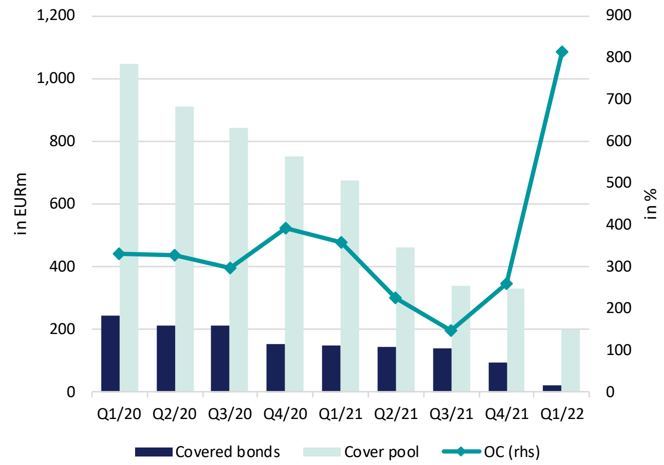

Source: vdp, NORD/LB Markets Strategy & Floor Research

# DSK Hyp
# Mortgage

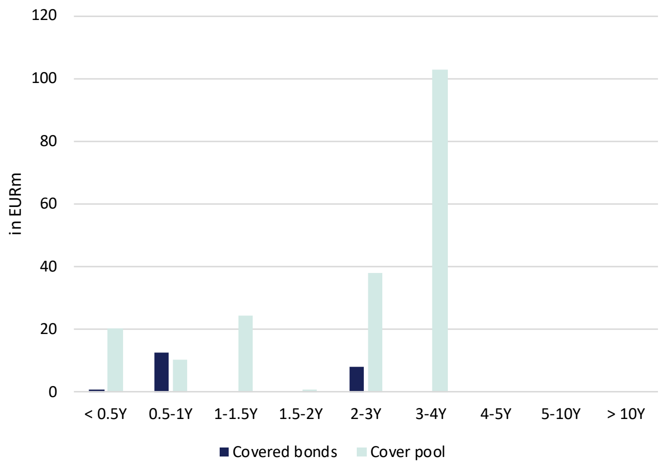
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 196.5 | Number of loans | 30 |
| of which residential | 64.4% | Number of borrowers | 5 |
| of which commercial | 30.5% | Number of properties | 67 |
| of which substitution assets | 5.1% | Avg. exposure to borrowers (EUR) | 37,307,000 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 102.6% |
| Covered bonds (EURm) | 21.5 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 175.0 | Share of multi-familiy houses | 64.4% |
| OC | 814.1% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 90.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 65.1% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 2.4y | Share of largest exposure tranche | 78.5% (> EUR 10m) |
| WAL (Covered Bonds) | 1.2y | Avg. seasoning | 7.9y |
| Avg. LTV (Original value) | 55.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

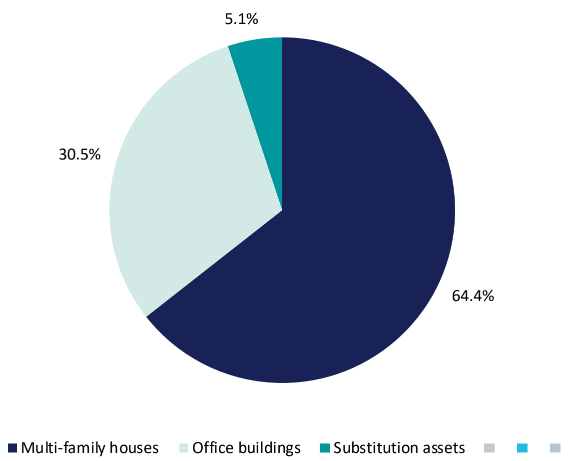
## Development of cover pool data



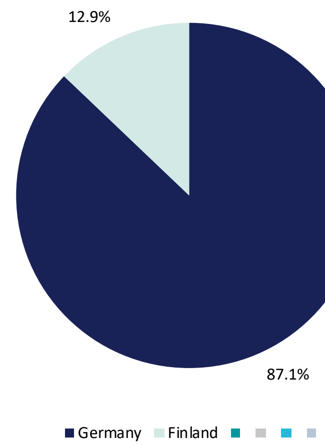

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

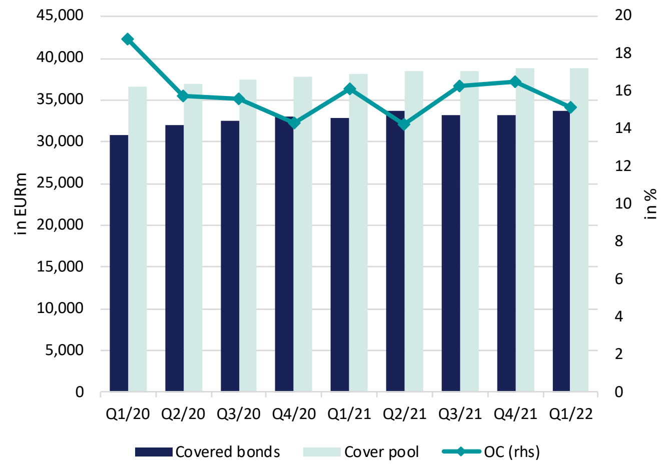
# DZ HYP

# Mortgage

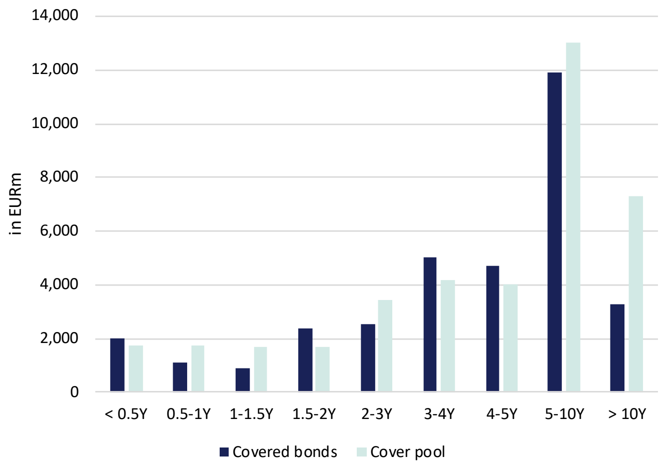
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 38,821.0 | Number of loans | 107,418 |
| of which residential | 55.8% | Number of borrowers | 92,530 |
| of which commercial | 41.8% | Number of properties | n/a |
| of which substitution assets | 2.4% | Avg. exposure to borrowers (EUR) | 409,305 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 33,712.8 | Share of owner-occupied dwellings | 21.5% |
| OC (EURm) | 5,108.2 | Share of multi-familiy houses | 33.2% |
| OC | 15.2% | EUR share (Cover pool) | 99.3% |
| Fixed interest (Cover pool) | 88.8% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.4% | Largest FX position (NPV in EURm) | GBP (218.9) |
| WAL (Cover pool) | 6.6y | Share of largest exposure tranche | 41.2% (> EUR 10m) |
| WAL (Covered Bonds) | 5.5y | Avg. seasoning | 5.0y |
| Avg. LTV (Original value) | 54.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

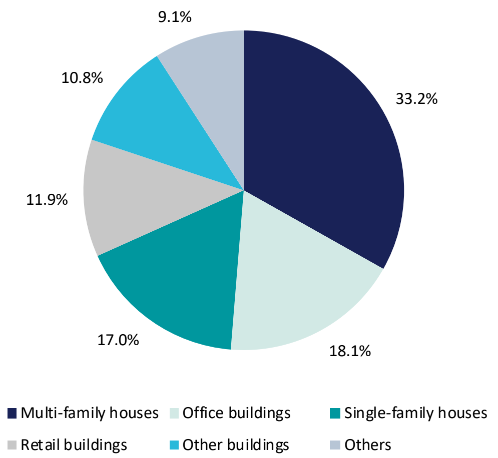
## Development of cover pool data



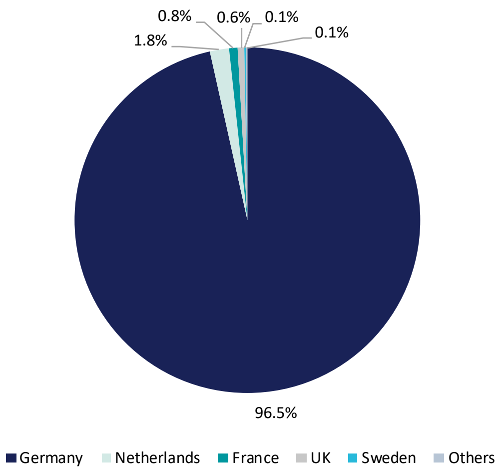

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

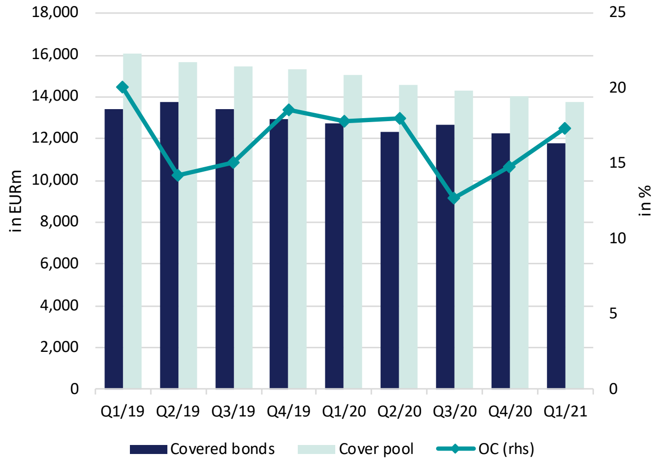
# DZ HYP

# Public sector

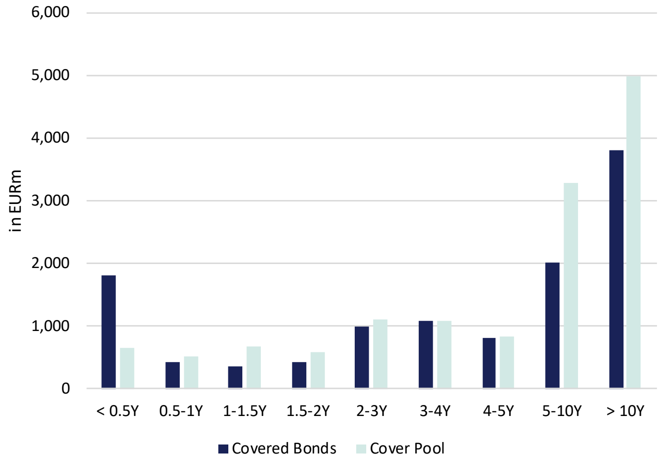
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 13,774.5 | Number of loans | 17,365 |
| of which substitution assets | 0.0% | Number of borrowers | 5,058 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 16.9% |
| Covered bonds (EURm) | 11,742.2 | Avg. exposure to borrowers (EUR) | 2,723,302 |
| OC (EURm) | 2,032.3 | EUR share (Cover pool) | 95.4% |
| OC | 17.3% | EUR share (Covered bonds) | 96.0% |
| Fixed interest (Cover pool) | 98.1% | Largest FX position (NPV in EURm) | CHF (86.9) |
| Fixed interest (Covered bonds) | 94.8% | Share of largest exposure tranche | 42.4% (< EUR 10m) |
| WAL (Cover pool) | 8.3y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 6.9y | | |

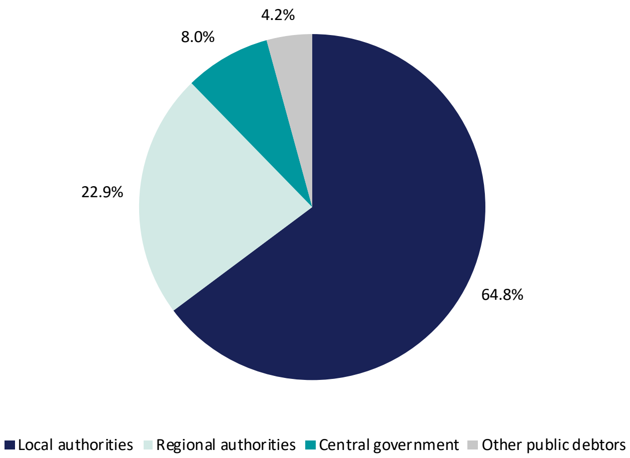
## Development of cover pool data



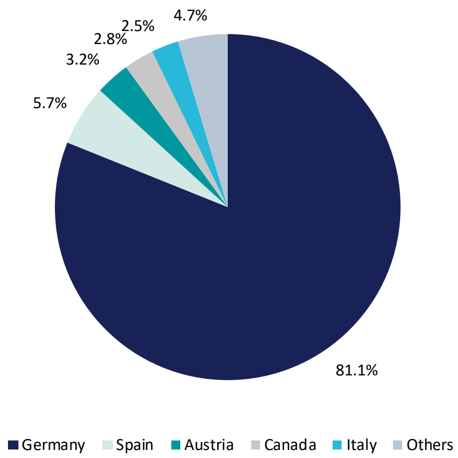

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

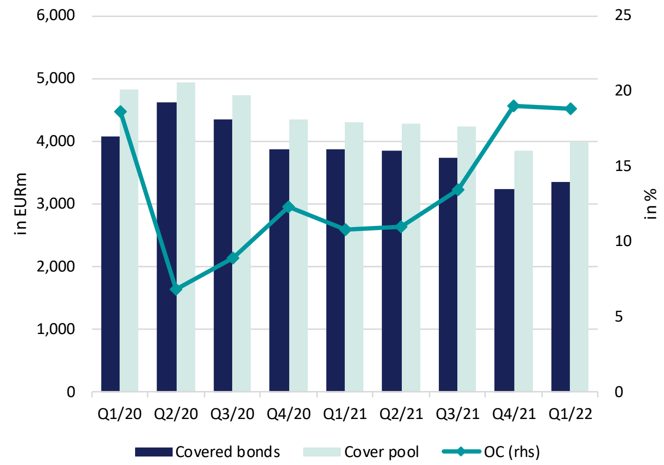
# Hamburg Commercial Bank

# Mortgage

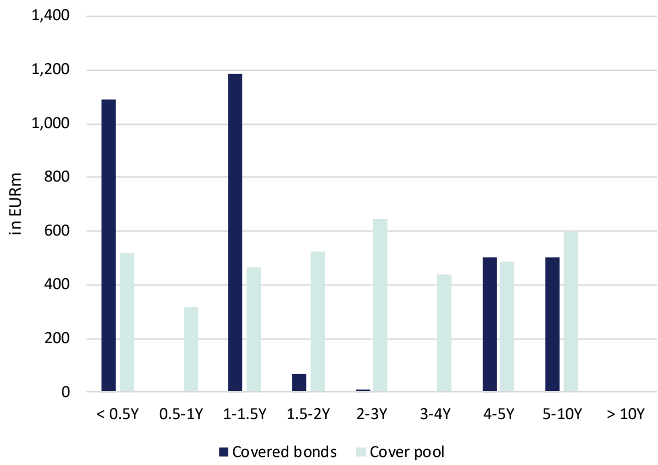
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 3,989.6 | Number of loans | 401 |
| of which residential | 14.6% | Number of borrowers | 239 |
| of which commercial | 73.3% | Number of properties | 746 |
| of which substitution assets | 11.8% | Avg. exposure to borrowers (EUR) | 14,665,690 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 25.4% |
| Covered bonds (EURm) | 3,356.8 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 632.8 | Share of multi-familiy houses | 14.0% |
| OC | 18.9% | EUR share (Cover pool) | 99.9% |
| Fixed interest (Cover pool) | 59.3% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.7% | Largest FX position (NPV in EURm) | SEK (3.5) |
| WAL (Cover pool) | 2.8y | Share of largest exposure tranche | 78.9% (> EUR 10m) |
| WAL (Covered Bonds) | 2.2y | Avg. seasoning | 4.7y |
| Avg. LTV (Original value) | 57.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

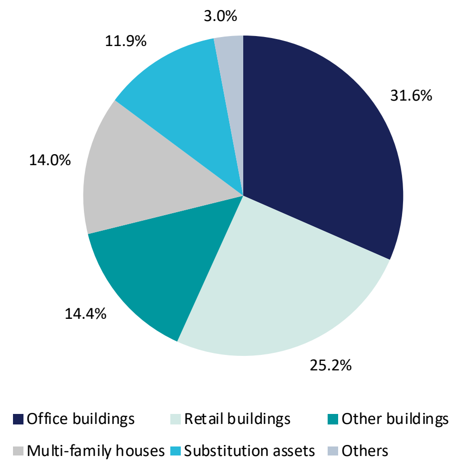
## Development of cover pool data



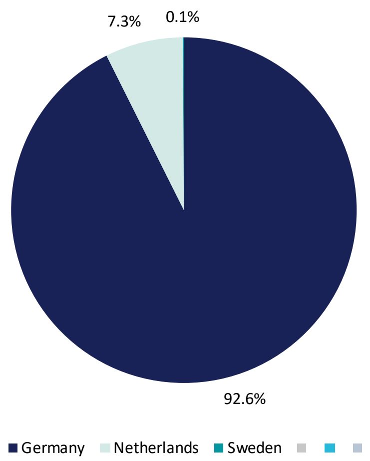

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

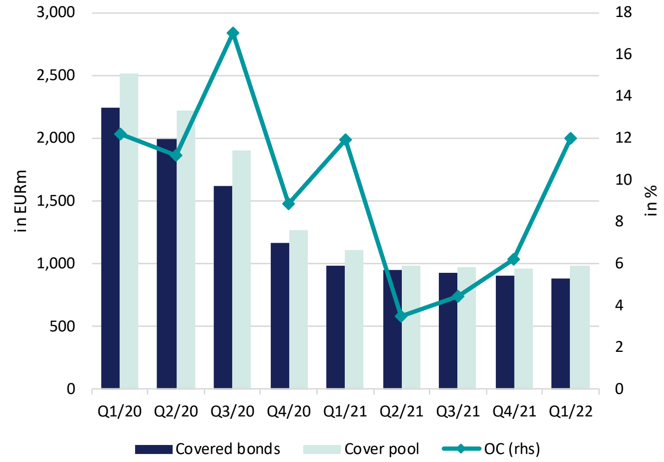
# Hamburg Commercial Bank

# Public sector

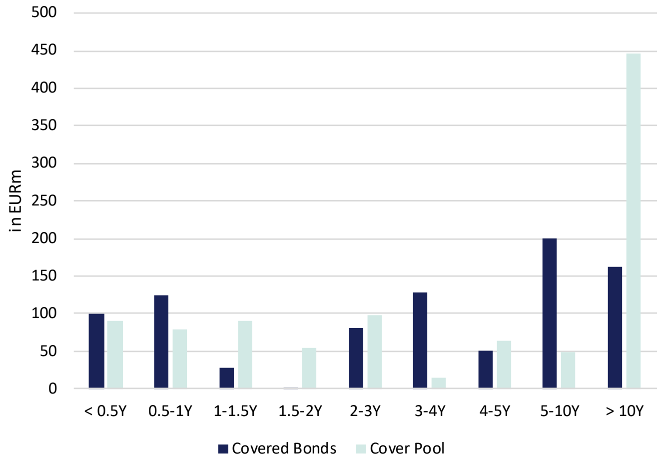
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 983.8 | Number of loans | 72 |
| of which substitution assets | 0.0% | Number of borrowers | 44 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 76.1% |
| Covered bonds (EURm) | 878.4 | Avg. exposure to borrowers (EUR) | 22,359,091 |
| OC (EURm) | 105.4 | EUR share (Cover pool) | 87.8% |
| OC | 12.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 91.8% | Largest FX position (NPV in EURm) | CHF (108.4) |
| Fixed interest (Covered bonds) | 93.2% | Share of largest exposure tranche | 54.1% (> EUR 100m) |
| WAL (Cover pool) | 8.3y | Loans in arrears (>90 days) | 0.03% |
| WAL (Covered Bonds) | 4.9y | | |

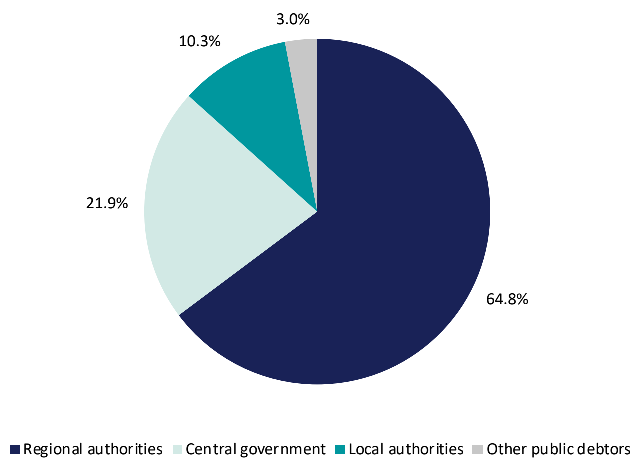
## Development of cover pool data



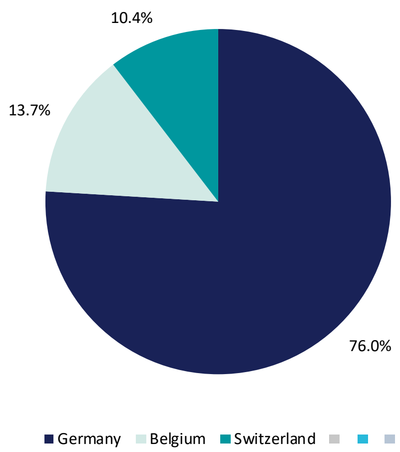

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



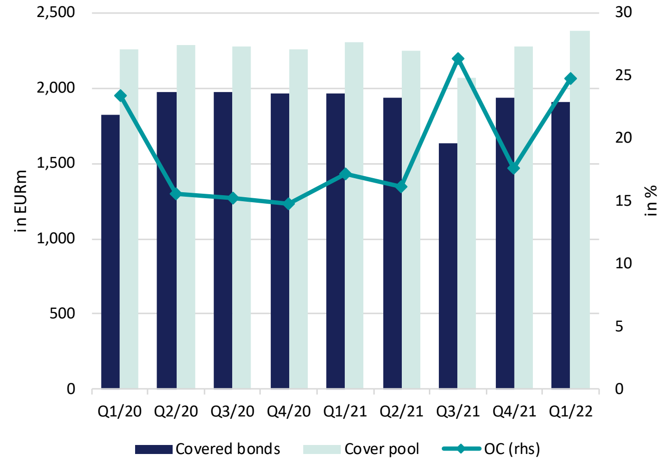

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Hamburg Commercial Bank — Ship

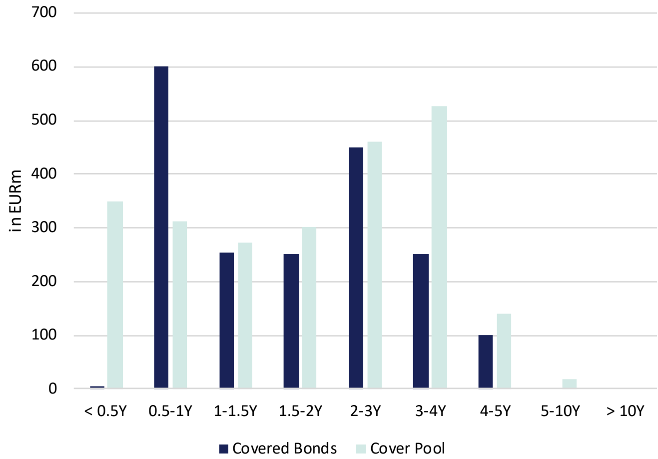
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 2,380.7 | Number of loans | 257 |
| of which substitution assets | 2.5% | Number of borrowers | 127 |
| of which derivatives | 0.0% | Avg. exposure to borrowers (EUR) | 18,274,803 |
| Covered bonds (EURm) | 1,908.0 | Largest FX position (NPV in EURm) | USD (2,425.2) |
| OC (EURm) | 472.7 | Share of largest exposure tranche | 86.5% (> EUR 5m) |
| OC | 24.8% | Loans in arrears (>90 days) | 0.00% |
| Fixed interest (Cover pool) | 14.6% | | |
| Fixed interest (Covered bonds) | 3.3% | | |
| WAL (Cover pool) | 2.1y | | |
| WAL (Covered Bonds) | 1.9y | | |

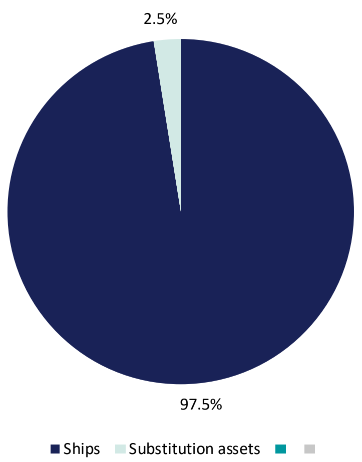
## Development of cover pool data



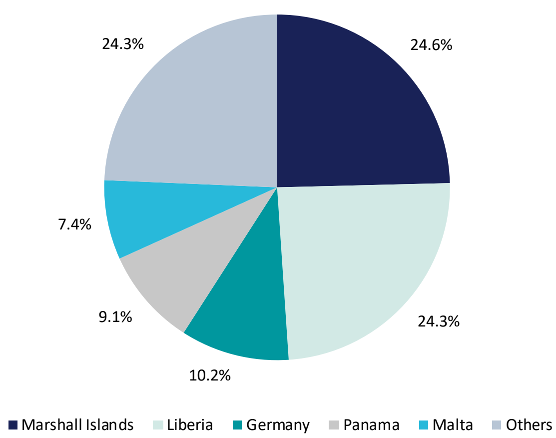

## Maturity structure




## Composition of cover pool




## Regional distribution of primary assets




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

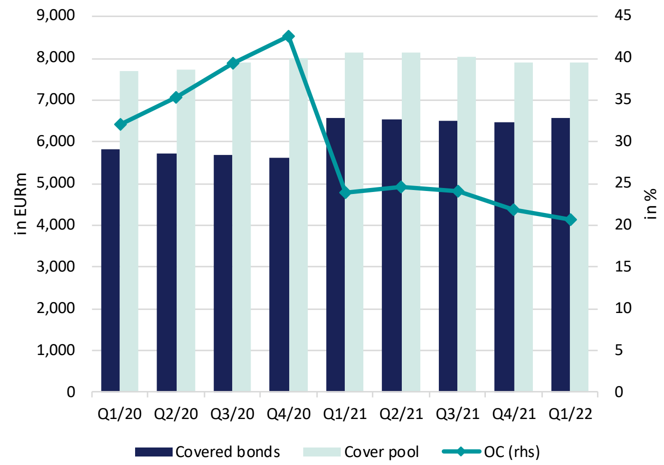
# Hamburger Sparkasse

# Mortgage

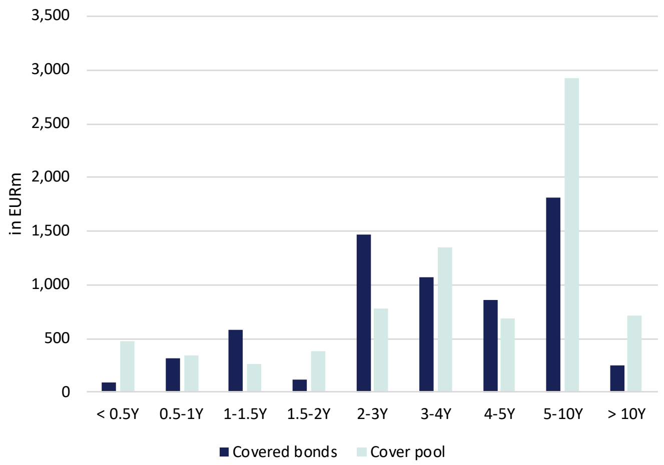
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 7,908.4 | Number of loans | n/a |
| of which residential | 64.9% | Number of borrowers | n/a |
| of which commercial | 28.2% | Number of properties | n/a |
| of which substitution assets | 7.0% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 6,554.9 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 1,353.5 | Share of multi-familiy houses | n/a |
| OC | 20.6% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 83.9% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 99.7% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 32.5% (EUR 1-10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 7.3y |
| Avg. LTV (Original value) | 51.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

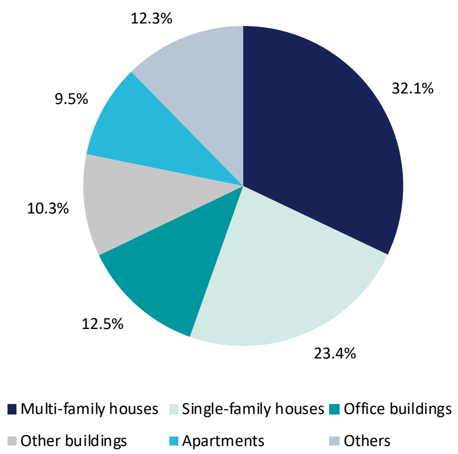
## Development of cover pool data



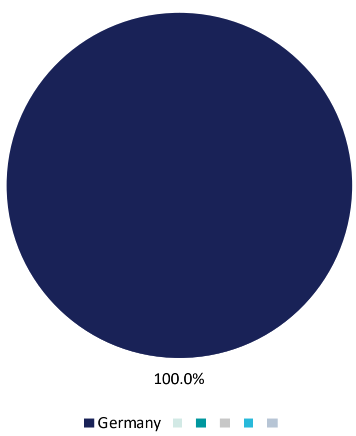

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

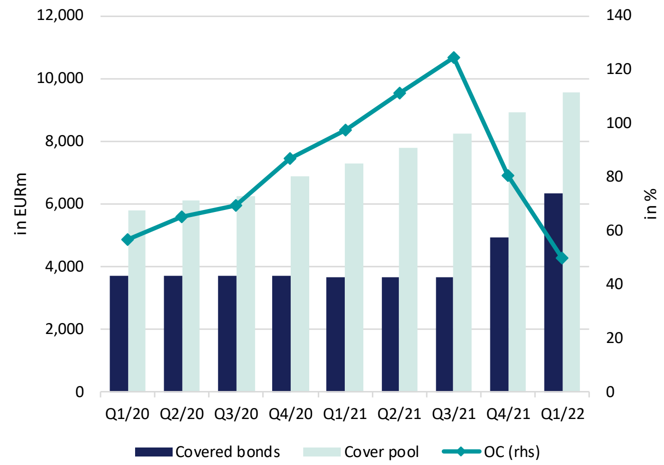
# ING-DiBa

# Mortgage

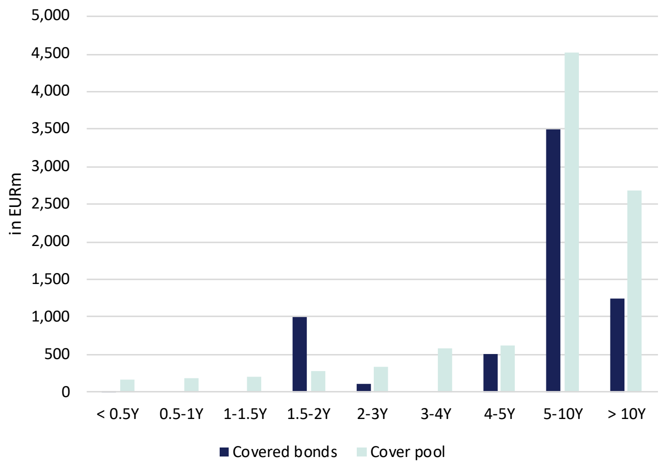
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 9,561.1 | Number of loans | 82,334 |
| of which residential | 100.0% | Number of borrowers | 81,178 |
| of which commercial | 0.0% | Number of properties | 82,334 |
| of which substitution assets | 4.5% | Avg. exposure to borrowers (EUR) | 117,779 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.2% |
| Covered bonds (EURm) | 6,365.0 | Share of owner-occupied dwellings | 82.2% |
| OC (EURm) | 3,196.1 | Share of multi-familiy houses | 0.0% |
| OC | 50.2% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.2% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 8.1y | Share of largest exposure tranche | 90.3% (< EUR 0.3m) |
| WAL (Covered Bonds) | 7.1y | Avg. seasoning | 4.8y |
| Avg. LTV (Original value) | 54.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

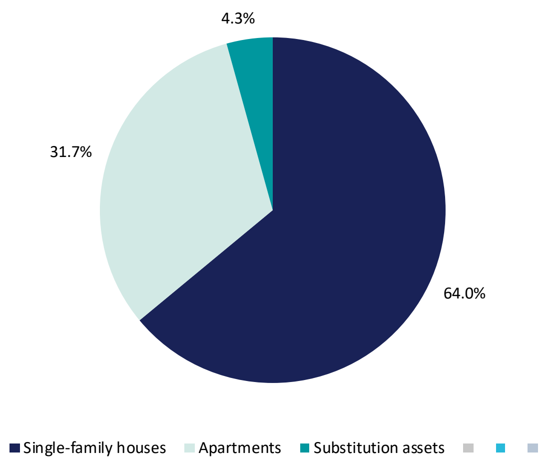
## Development of cover pool data



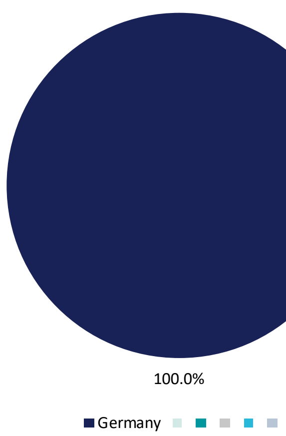

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

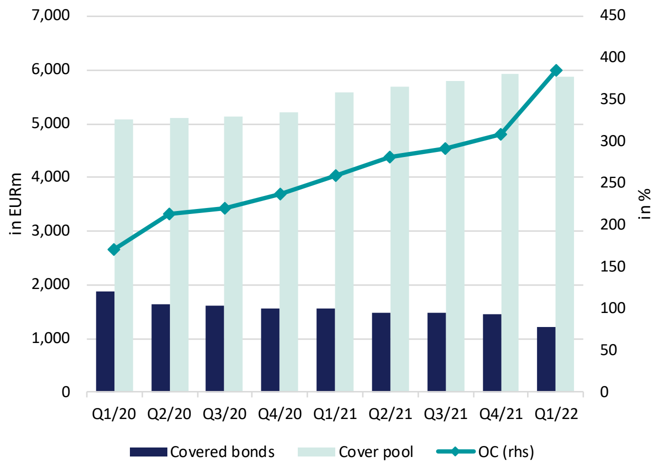
# Kreissparkasse Köln

## Mortgage

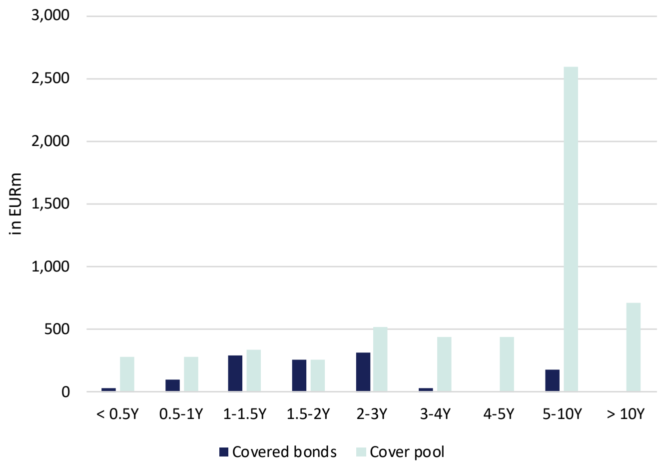
### Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 5,867.0 | Number of loans | 45,354 |
| of which residential | 85.6% | Number of borrowers | 36,073 |
| of which commercial | 13.2% | Number of properties | 42,114 |
| of which substitution assets | 1.3% | Avg. exposure to borrowers (EUR) | 160,564 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 2.0% |
| Covered bonds (EURm) | 1,206.3 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 4,660.7 | Share of multi-familiy houses | 25.1% |
| OC | 386.4% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.8y | Share of largest exposure tranche | 66.4% (< EUR 0.3m) |
| WAL (Covered Bonds) | 2.7y | Avg. seasoning | 5.2y |
| Avg. LTV (Original value) | 53.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

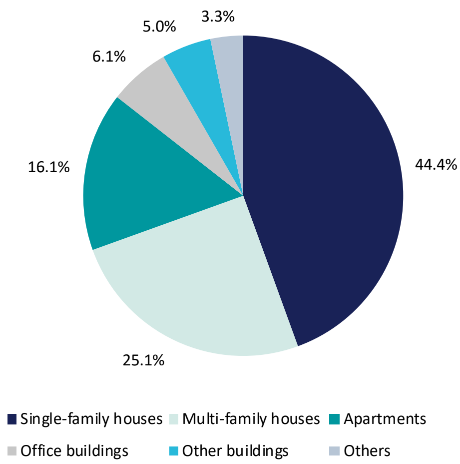
### Development of cover pool data



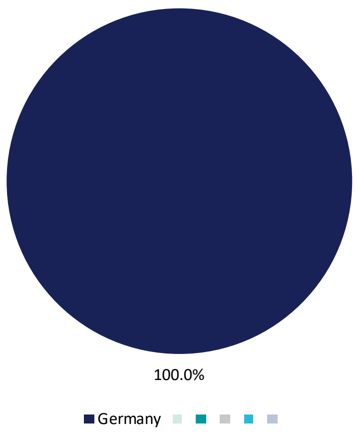

### Maturity structure




### Composition of cover pool




### Regional distribution of properties




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

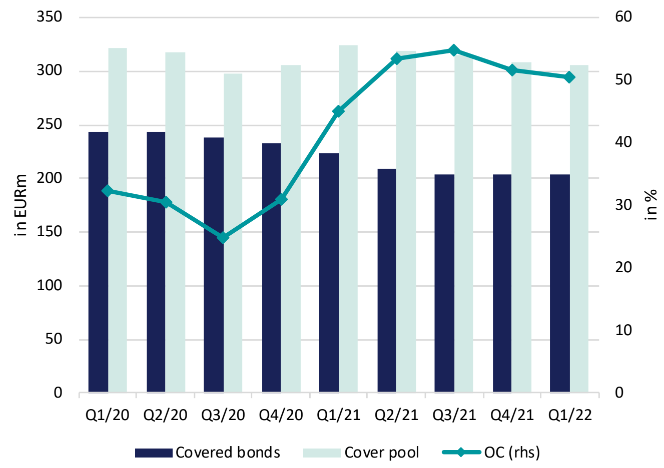
# Kreissparkasse Köln

# Public sector

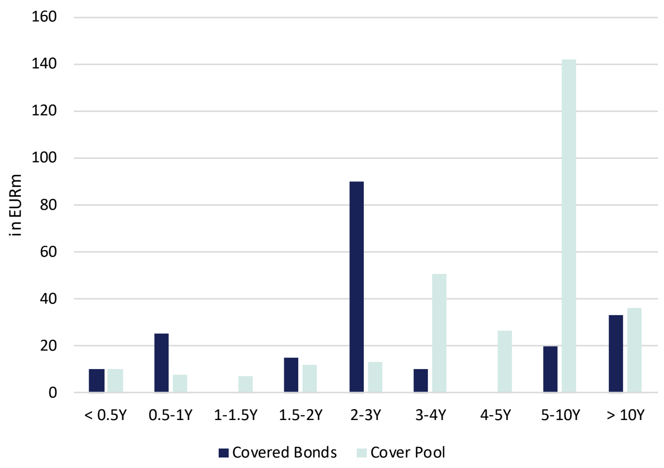
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 306.1 | Number of loans | 148 |
| of which substitution assets | 0.0% | Number of borrowers | 48 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 72.0% |
| Covered bonds (EURm) | 203.4 | Avg. exposure to borrowers (EUR) | 6,376,248 |
| OC (EURm) | 102.6 | EUR share (Cover pool) | n/a |
| OC | 50.5% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 60.6% (EUR 10-100m) |
| WAL (Cover pool) | 5.6y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.2y | | |

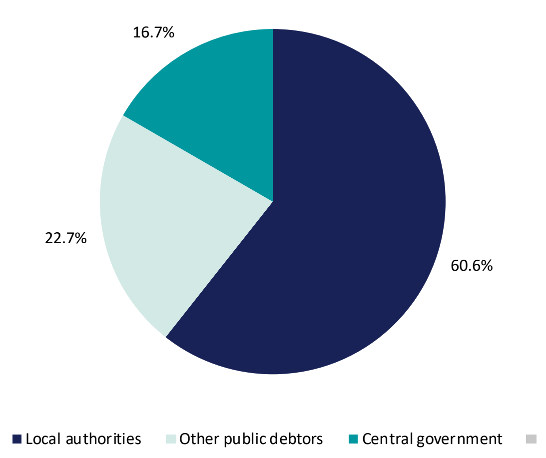
## Development of cover pool data



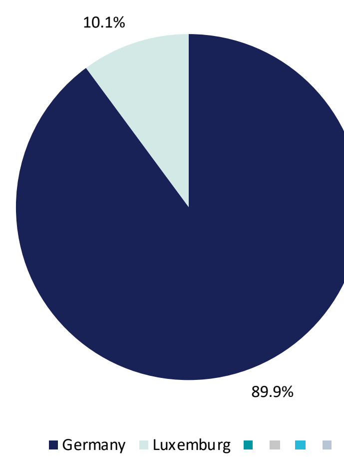

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



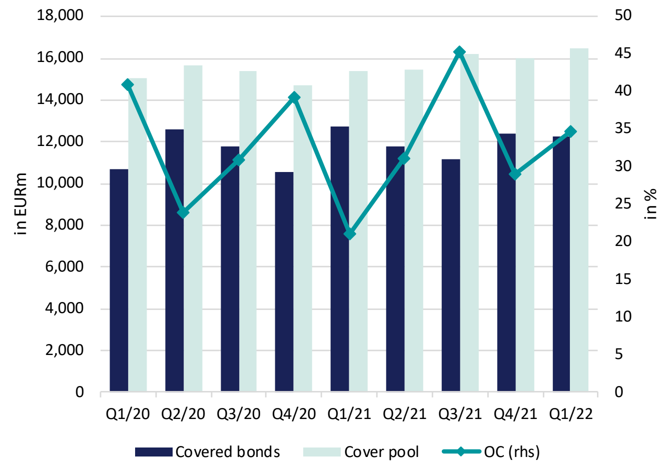

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Landesbank Baden-Württemberg — Mortgage

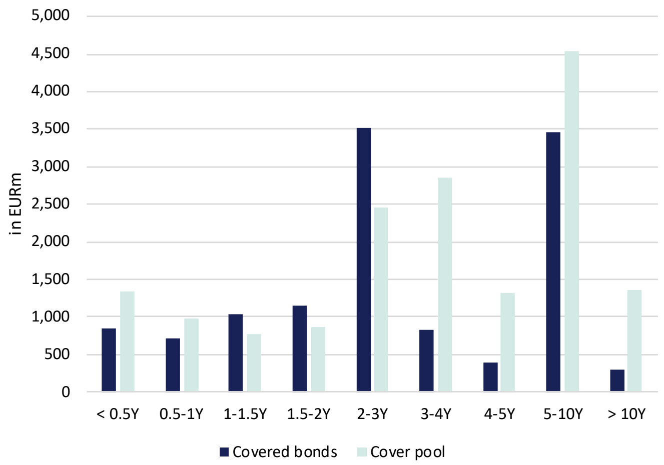
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 16,489.0 | Number of loans | 38,199 |
| of which residential | 39.7% | Number of borrowers | 28,830 |
| of which commercial | 54.4% | Number of properties | 35,572 |
| of which substitution assets | 5.9% | Avg. exposure to borrowers (EUR) | 538,403 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 13.9% |
| Covered bonds (EURm) | 12,246.1 | Share of owner-occupied dwellings | 16.4% |
| OC (EURm) | 4,242.9 | Share of multi-familiy houses | 22.6% |
| OC | 34.6% | EUR share (Cover pool) | 84.5% |
| Fixed interest (Cover pool) | 78.4% | EUR share (Covered bonds) | 89.0% |
| Fixed interest (Covered bonds) | 68.2% | Largest FX position (NPV in EURm) | GBP (948.6) |
| WAL (Cover pool) | 4.6y | Share of largest exposure tranche | 58.5% (> EUR 10m) |
| WAL (Covered Bonds) | 3.7y | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 55.4% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

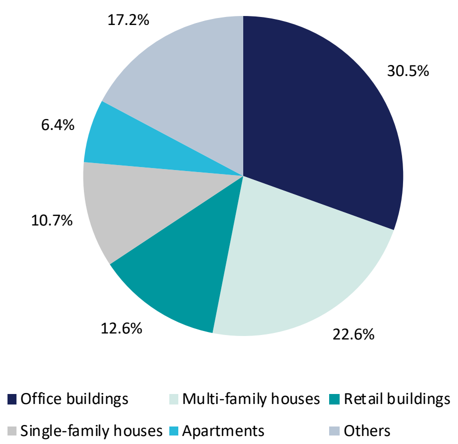
## Development of cover pool data



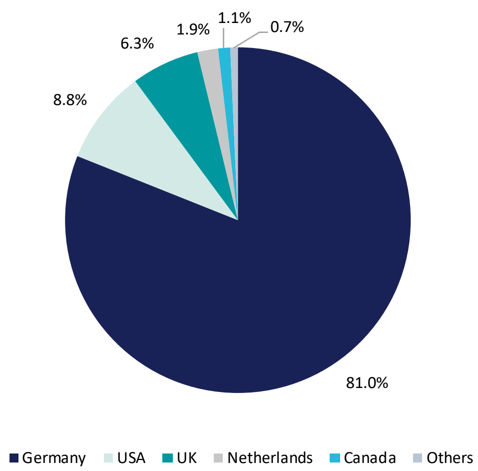

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



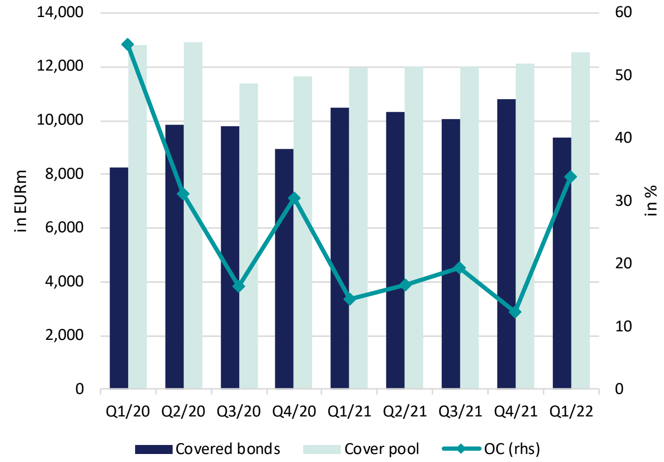

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Landesbank Baden-Württemberg — Public sector

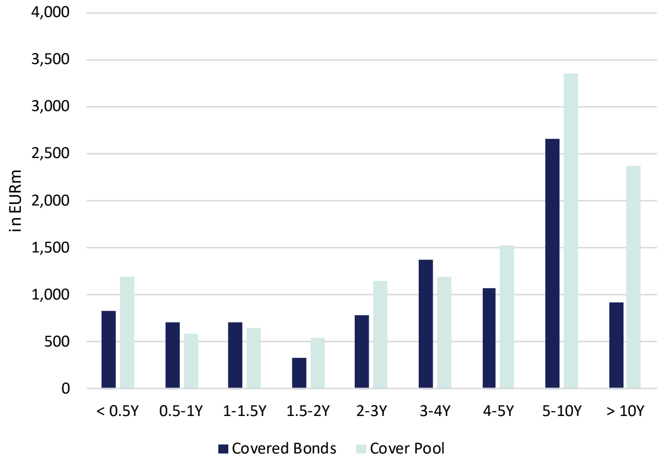
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 12,571.8 | Number of loans | 7,356 |
| of which substitution assets | 0.0% | Number of borrowers | 2,886 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 25.2% |
| Covered bonds (EURm) | 9,394.7 | Avg. exposure to borrowers (EUR) | 4,356,122 |
| OC (EURm) | 3,177.1 | EUR share (Cover pool) | 97.5% |
| OC | 33.8% | EUR share (Covered bonds) | 99.8% |
| Fixed interest (Cover pool) | 75.3% | Largest FX position (NPV in EURm) | USD (298.1) |
| Fixed interest (Covered bonds) | 66.7% | Share of largest exposure tranche | 50.2% (> EUR 100m) |
| WAL (Cover pool) | 6.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.7y | | |

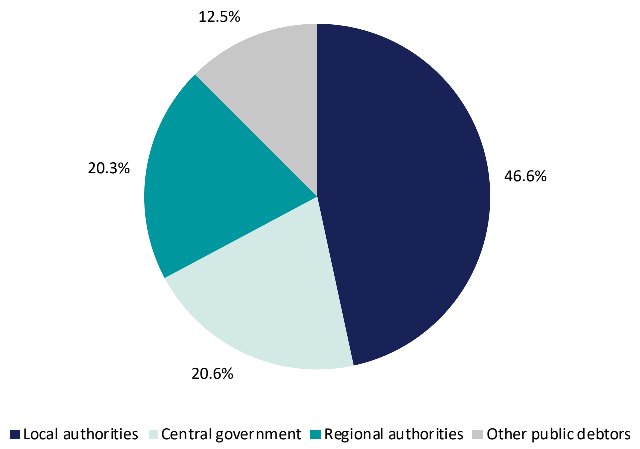
## Development of cover pool data



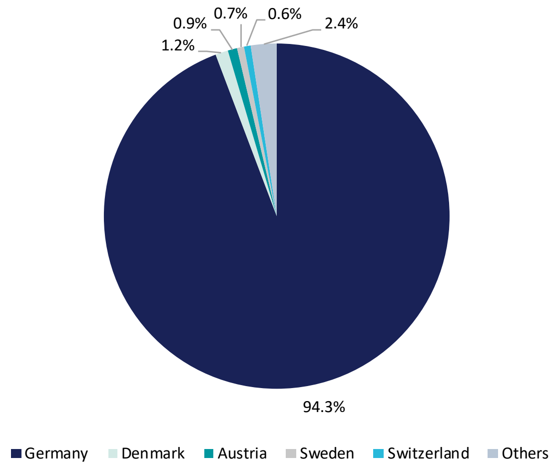

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



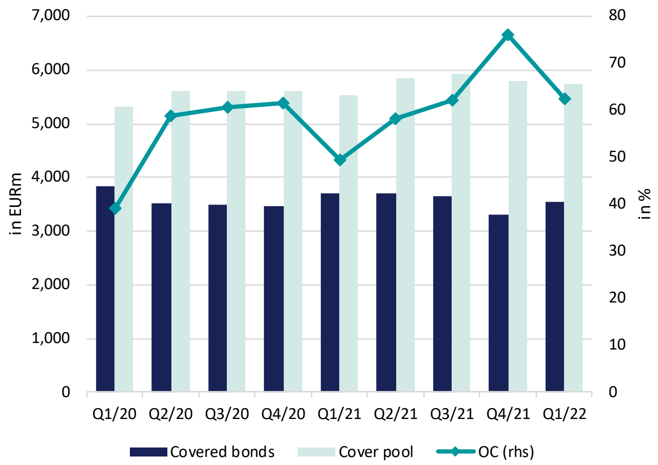

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Landesbank Berlin — Mortgage

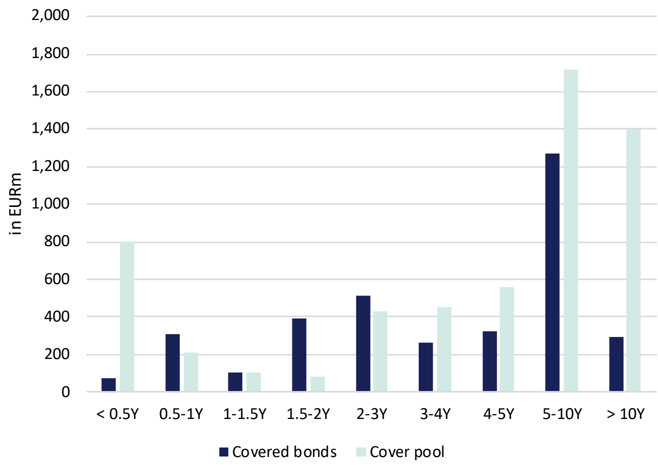
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 5,747.8 | Number of loans | 7,483 |
| of which residential | 67.2% | Number of borrowers | 6,718 |
| of which commercial | 28.9% | Number of properties | 7,824 |
| of which substitution assets | 3.9% | Avg. exposure to borrowers (EUR) | 821,879 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 26.2% |
| Covered bonds (EURm) | 3,538.0 | Share of owner-occupied dwellings | 3.5% |
| OC (EURm) | 2,209.8 | Share of multi-familiy houses | 55.9% |
| OC | 62.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 91.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 96.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 10.2y | Share of largest exposure tranche | 59.4% (> EUR 10m) |
| WAL (Covered Bonds) | 5.3y | Avg. seasoning | 5.0y |
| Avg. LTV (Original value) | 55.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

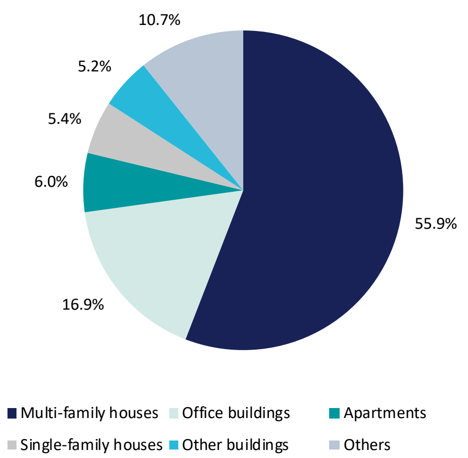
## Development of cover pool data



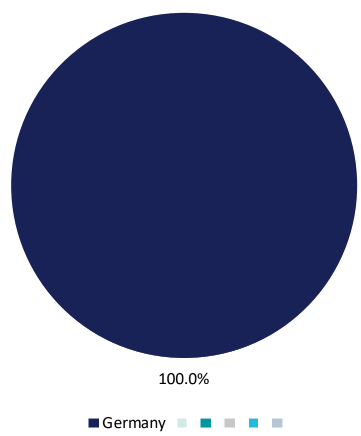

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

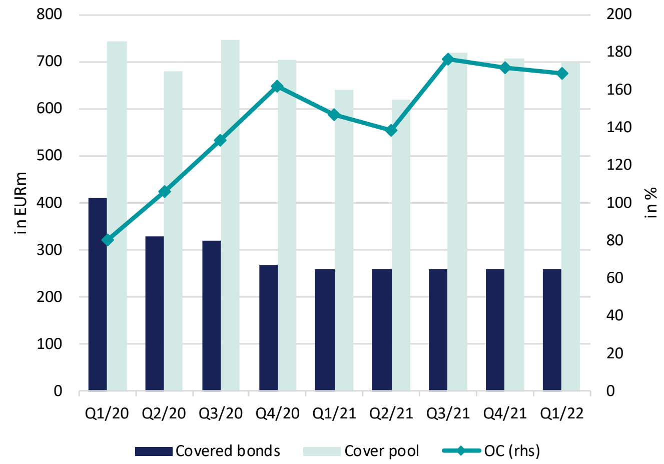
# Landesbank Berlin

# Public sector

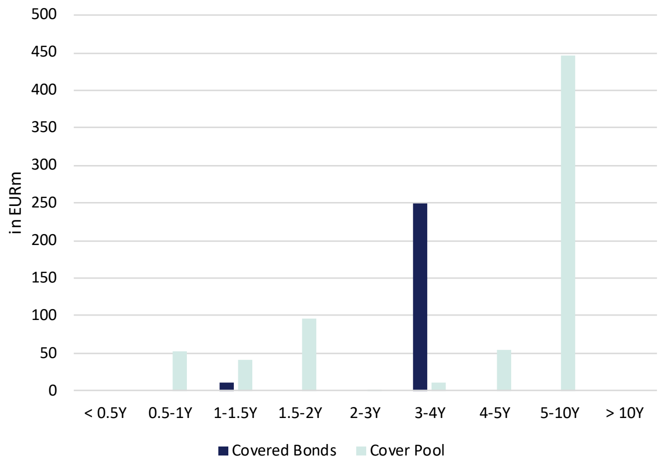
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 700.0 | Number of loans | 22 |
| of which substitution assets | 0.0% | Number of borrowers | 13 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 99.7% |
| Covered bonds (EURm) | 260.0 | Avg. exposure to borrowers (EUR) | 53,848,000 |
| OC (EURm) | 440.0 | EUR share (Cover pool) | 100.0% |
| OC | 169.2% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 90.0% (> EUR 100m) |
| WAL (Cover pool) | 6.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 3.2y | | |

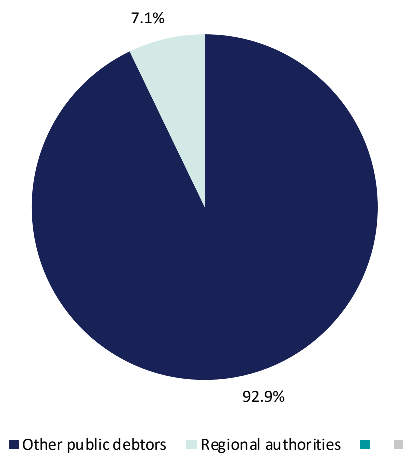
## Development of cover pool data



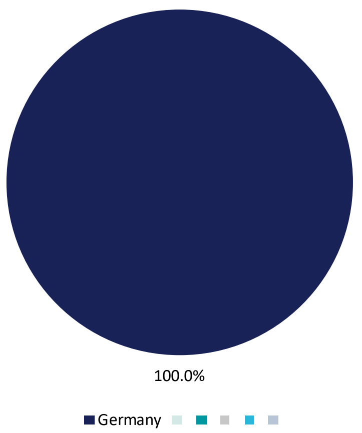

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



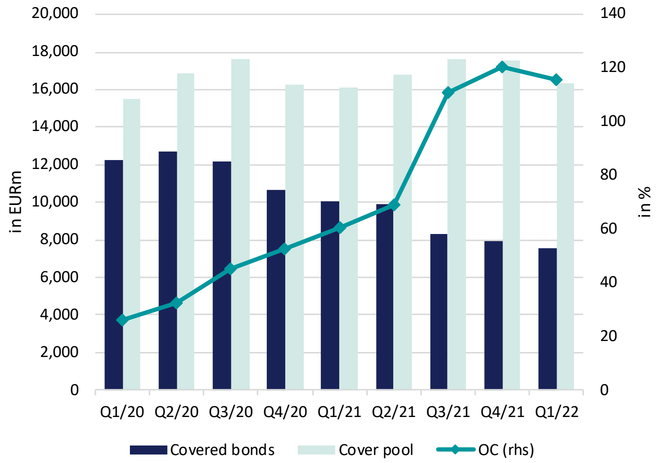

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Landesbank Hessen-Thüringen — Mortgage

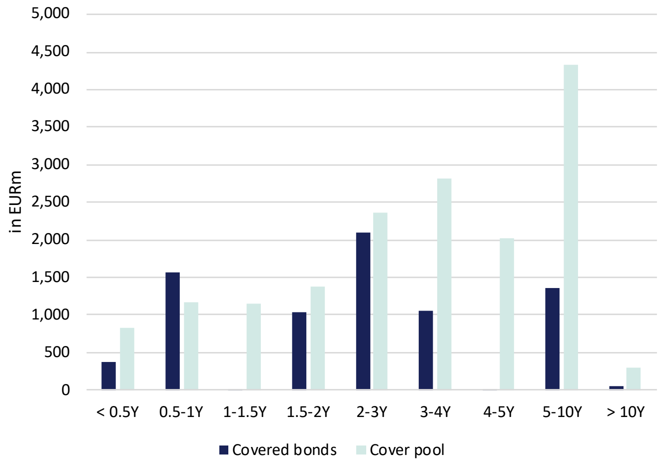
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 16,366.1 | Number of loans | 8,955 |
| of which residential | 28.4% | Number of borrowers | 7,718 |
| of which commercial | 69.4% | Number of properties | 9,691 |
| of which substitution assets | 2.2% | Avg. exposure to borrowers (EUR) | 2,073,789 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 9.4% |
| Covered bonds (EURm) | 7,583.6 | Share of owner-occupied dwellings | 5.2% |
| OC (EURm) | 8,782.5 | Share of multi-familiy houses | 22.8% |
| OC | 115.8% | EUR share (Cover pool) | 75.9% |
| Fixed interest (Cover pool) | 62.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 93.4% | Largest FX position (NPV in EURm) | USD (3,141.5) |
| WAL (Cover pool) | 3.9y | Share of largest exposure tranche | 87.5% (> EUR 10m) |
| WAL (Covered Bonds) | 2.7y | Avg. seasoning | 4.4y |
| Avg. LTV (Original value) | 59.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

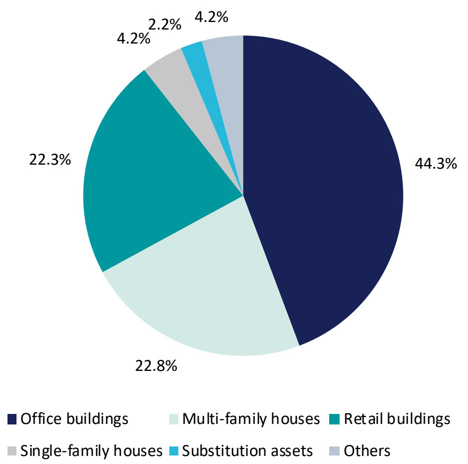
## Development of cover pool data



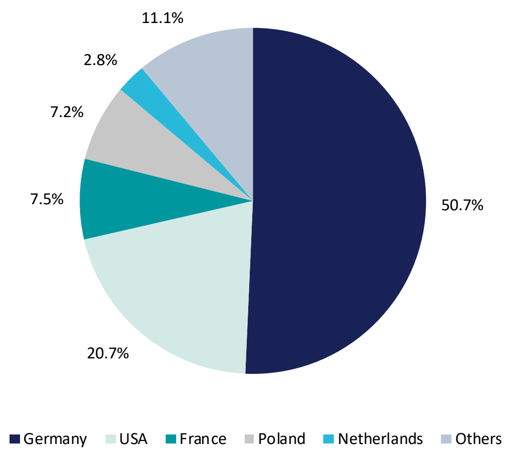

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

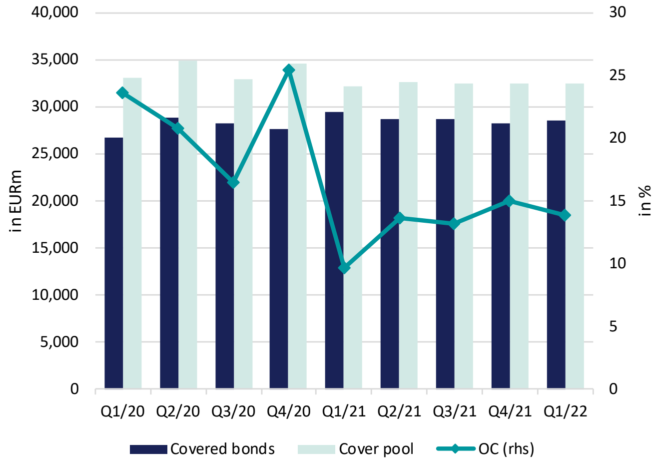
# Landesbank Hessen-Thüringen

# Public sector

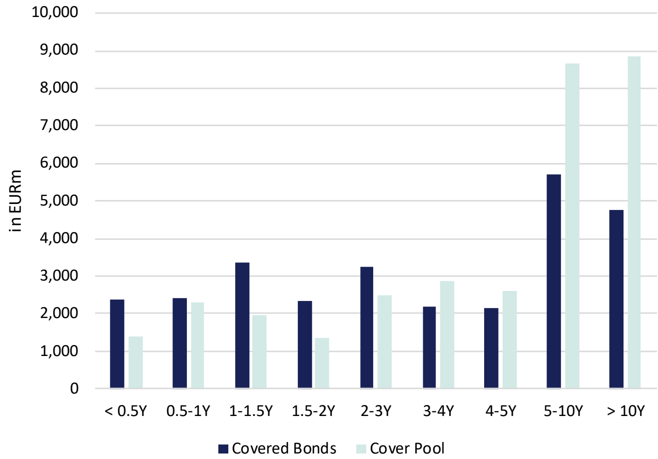
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 32,491.3 | Number of loans | 19,978 |
| of which substitution assets | 1.4% | Number of borrowers | 4,643 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 31.7% |
| Covered bonds (EURm) | 28,524.6 | Avg. exposure to borrowers (EUR) | 6,897,846 |
| OC (EURm) | 3,966.7 | EUR share (Cover pool) | 97.2% |
| OC | 13.9% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 94.6% | Largest FX position (NPV in EURm) | JPY (643.9) |
| Fixed interest (Covered bonds) | 76.4% | Share of largest exposure tranche | 63.2% (> EUR 100m) |
| WAL (Cover pool) | 7.3y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 5.4y | | |

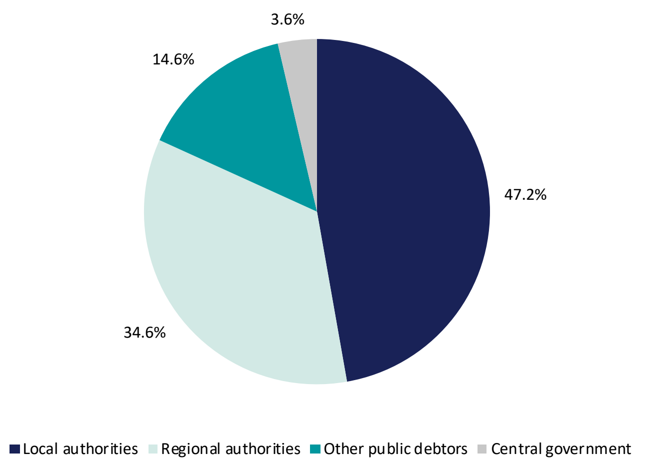
## Development of cover pool data



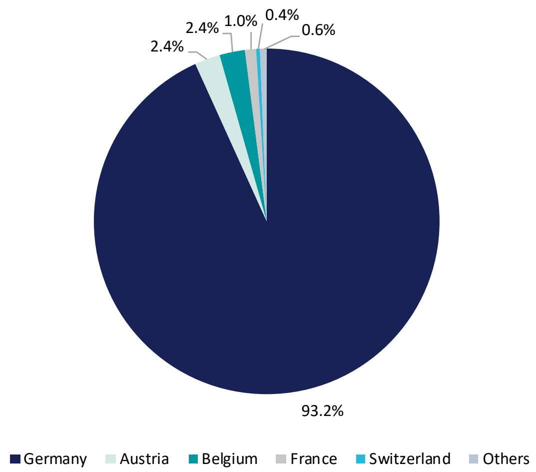

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

NORD/LB

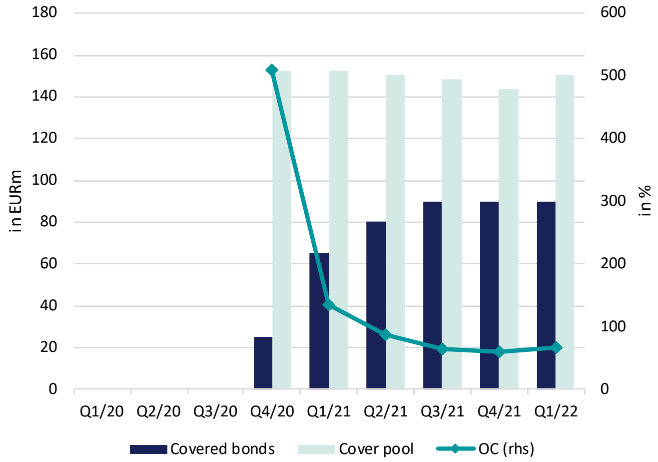
# LIGA Bank

# Public sector

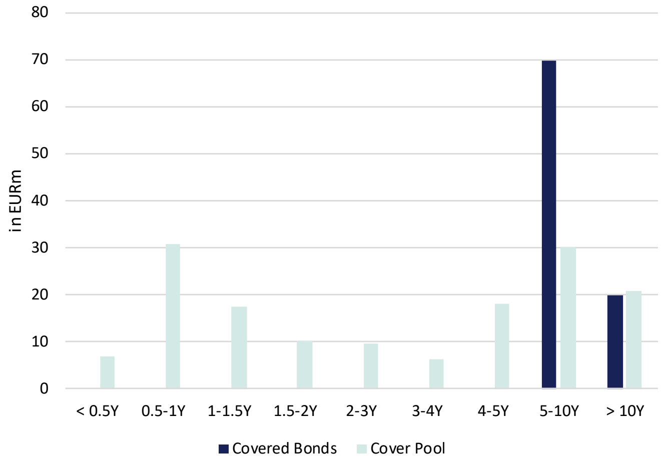
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 150.1 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 90.0 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 60.1 | EUR share (Cover pool) | n/a |
| OC | 66.8% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 60.6% (< EUR 10m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

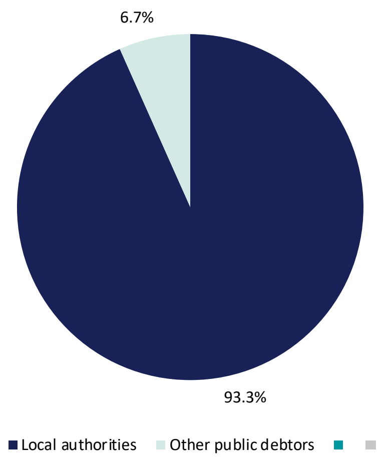
## Development of cover pool data



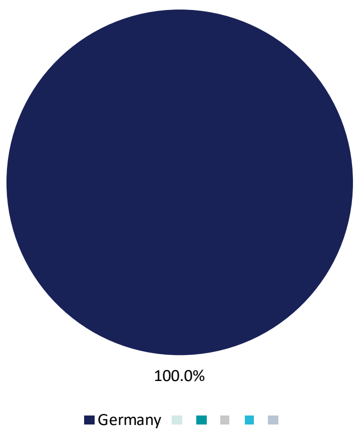

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



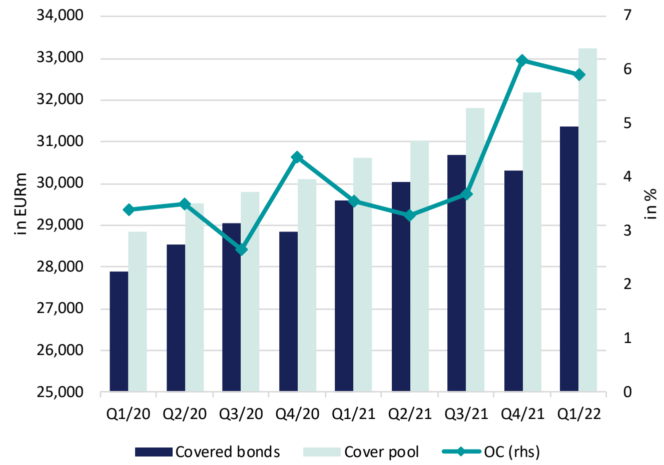

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Münchener Hypothekenbank Mortgage

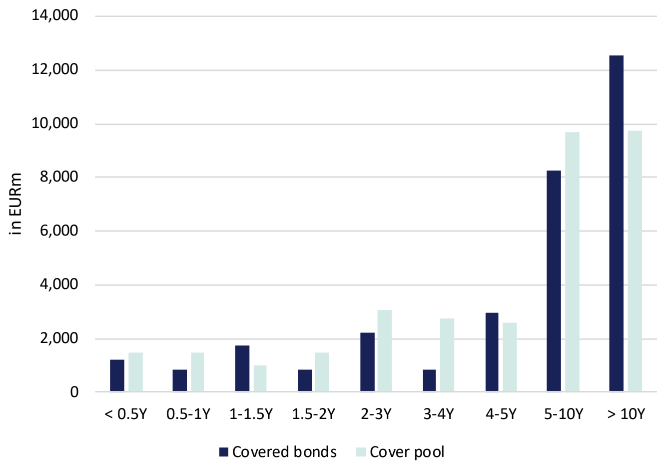
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 33,235.7 | Number of loans | 198,776 |
| of which residential | 79.7% | Number of borrowers | 174,742 |
| of which commercial | 17.5% | Number of properties | 185,964 |
| of which substitution assets | 2.8% | Avg. exposure to borrowers (EUR) | 184,963 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 3.1% |
| Covered bonds (EURm) | 31,377.1 | Share of owner-occupied dwellings | 51.7% |
| OC (EURm) | 1,858.6 | Share of multi-familiy houses | 15.6% |
| OC | 5.9% | EUR share (Cover pool) | 82.2% |
| Fixed interest (Cover pool) | 96.0% | EUR share (Covered bonds) | 8.6% |
| Fixed interest (Covered bonds) | 85.0% | Largest FX position (NPV in EURm) | CHF (893.9) |
| WAL (Cover pool) | 8.0y | Share of largest exposure tranche | 59.3% (< EUR 0.3m) |
| WAL (Covered Bonds) | 8.0y | Avg. seasoning | 5.0y |
| Avg. LTV (Original value) | 52.0% | Loans in arrears (>90 days) | 0.03% |
| Avg. LTV (Market value) | n/a | | |

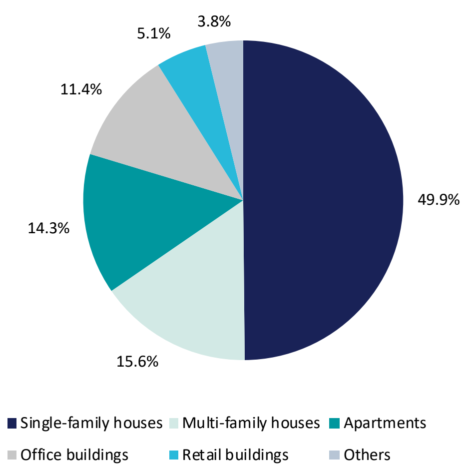
## Development of cover pool data



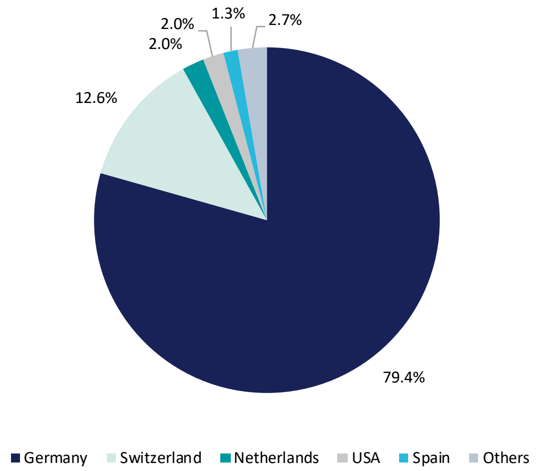

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

NORD/LB

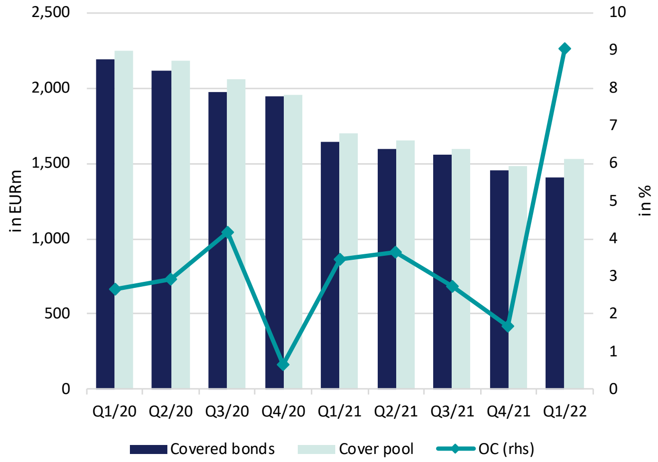
# Münchener Hypothekenbank

# Public sector

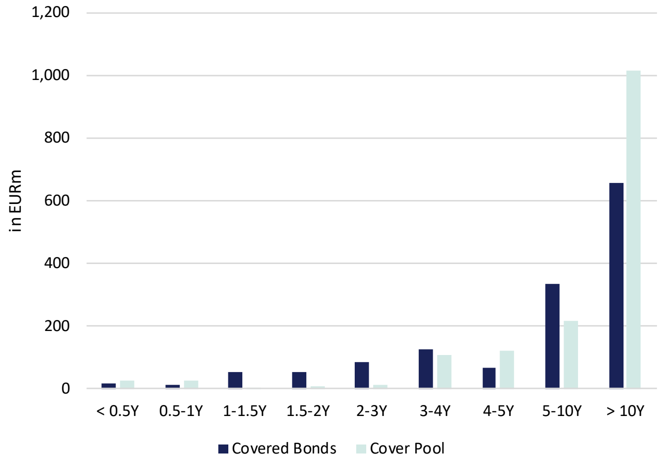
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,533.6 | Number of loans | 401 |
| of which substitution assets | 0.0% | Number of borrowers | 295 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 88.0% |
| Covered bonds (EURm) | 1,406.4 | Avg. exposure to borrowers (EUR) | 5,198,542 |
| OC (EURm) | 127.2 | EUR share (Cover pool) | 100.0% |
| OC | 9.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 93.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 92.0% | Share of largest exposure tranche | 68.5% (> EUR 100m) |
| WAL (Cover pool) | 13.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 8.0y | | |

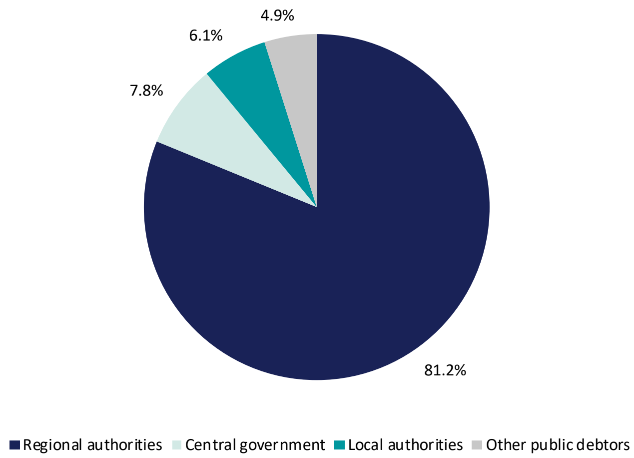
## Development of cover pool data




## Maturity structure




## Composition of primary assets




## Regional distribution of claims

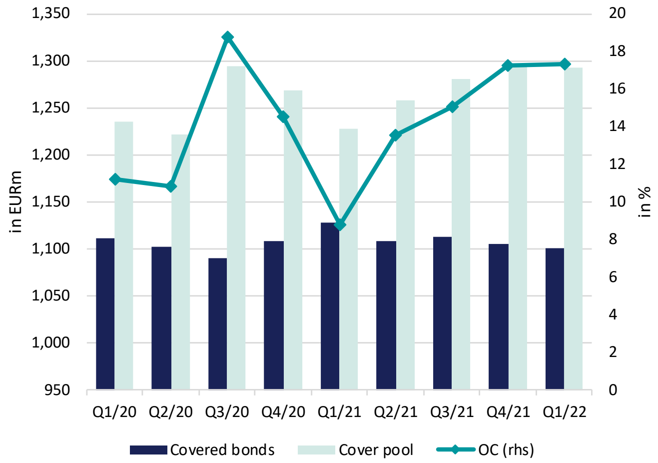

Source: vdp, NORD/LB Markets Strategy & Floor Research

# M.M.Warburg & CO Hypothekenbank — Mortgage

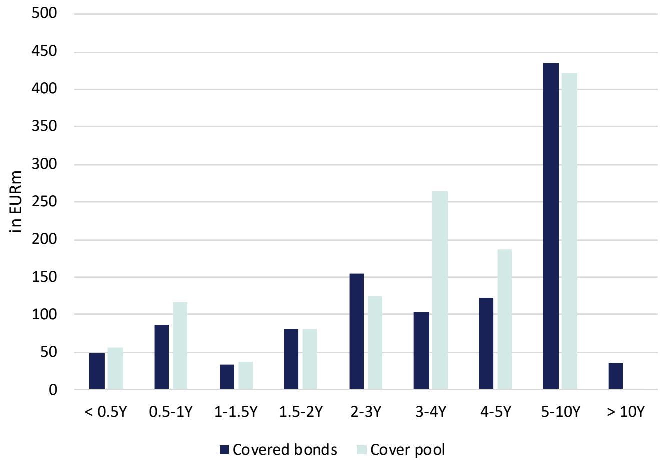
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,292.8 | Number of loans | 320 |
| of which residential | 18.2% | Number of borrowers | 193 |
| of which commercial | 76.9% | Number of properties | 348 |
| of which substitution assets | 4.9% | Avg. exposure to borrowers (EUR) | 6,372,176 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.2% |
| Covered bonds (EURm) | 1,101.7 | Share of owner-occupied dwellings | 0.1% |
| OC (EURm) | 191.1 | Share of multi-familiy houses | 15.9% |
| OC | 17.4% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 95.7% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.1% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 4.2y | Share of largest exposure tranche | 53.1% (EUR 1-10m) |
| WAL (Covered Bonds) | 4.6y | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 56.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

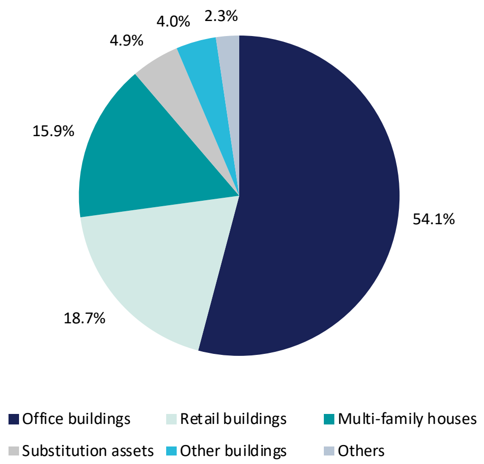
## Development of cover pool data



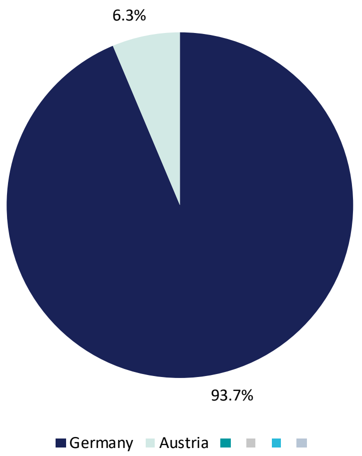

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



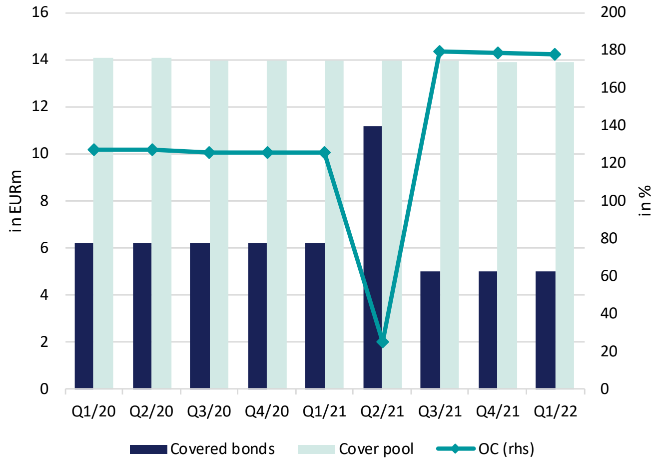

Source: vdp, NORD/LB Markets Strategy & Floor Research

# M.M.Warburg & CO Hypothekenbank — Public sector

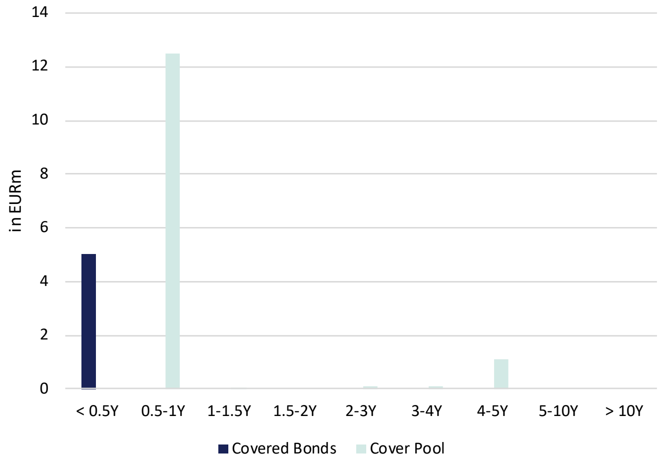
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 13.9 | Number of loans | 1 |
| of which substitution assets | 0.0% | Number of borrowers | 1 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 5.0 | Avg. exposure to borrowers (EUR) | 13,900,000 |
| OC (EURm) | 8.9 | EUR share (Cover pool) | 99.9% |
| OC | 178.2% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 10.2% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 100.0% (< EUR 10m) |
| WAL (Cover pool) | 1.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 0.5y | | |

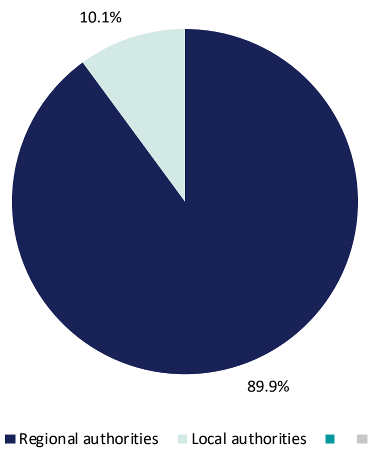
## Development of cover pool data



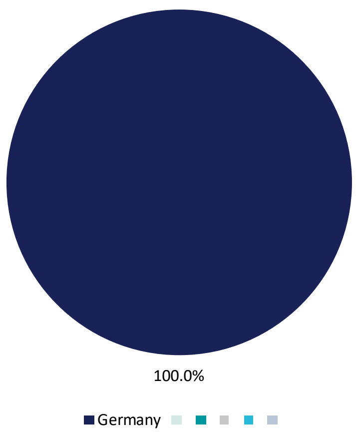

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

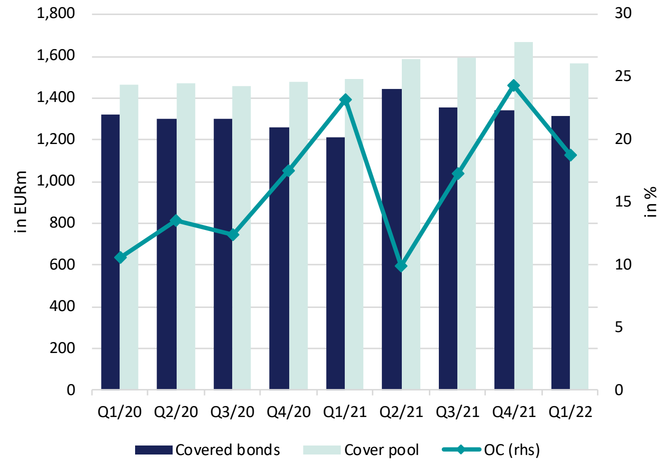
# NATIXIS Pfandbriefbank

# Mortgage

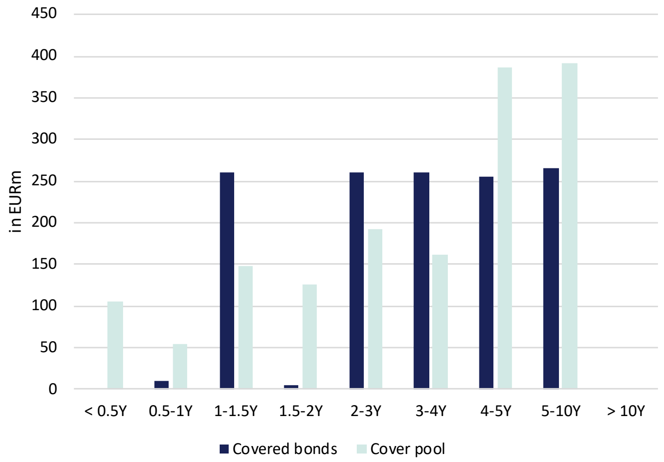
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,563.5 | Number of loans | 69 |
| of which residential | 7.0% | Number of borrowers | 105 |
| of which commercial | 77.1% | Number of properties | 234 |
| of which substitution assets | 16.0% | Avg. exposure to borrowers (EUR) | 12,514,190 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.1% |
| Covered bonds (EURm) | 1,316.0 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 247.5 | Share of multi-familiy houses | 7.0% |
| OC | 18.8% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 44.1% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 3.5y | Share of largest exposure tranche | 93.1% (> EUR 10m) |
| WAL (Covered Bonds) | 4.0y | Avg. seasoning | 3.9y |
| Avg. LTV (Original value) | 56.9% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

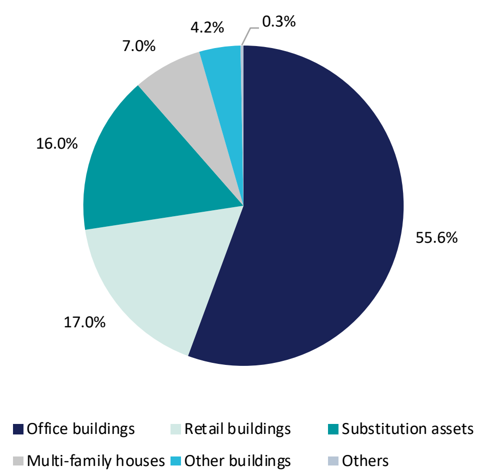
## Development of cover pool data



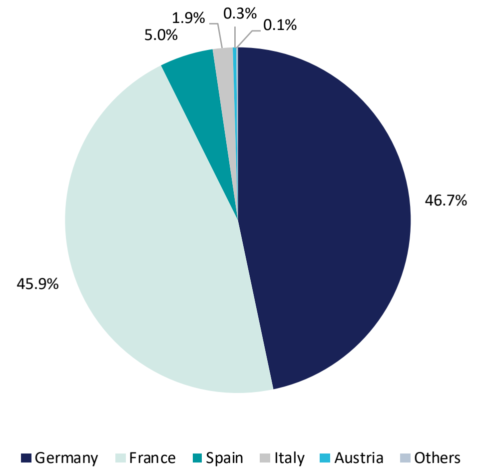

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



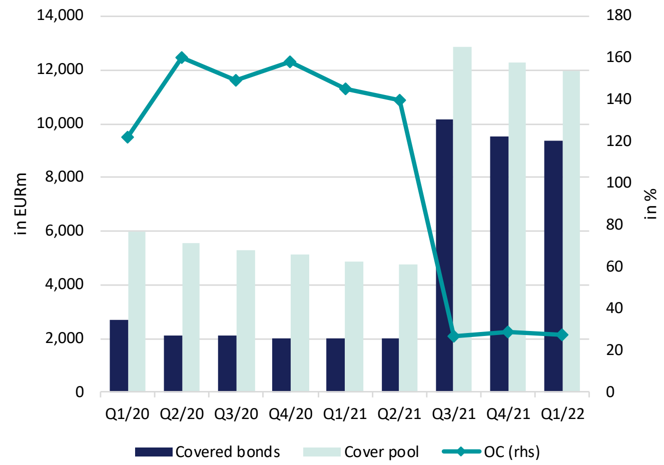

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Norddeutsche Landesbank — Mortgage

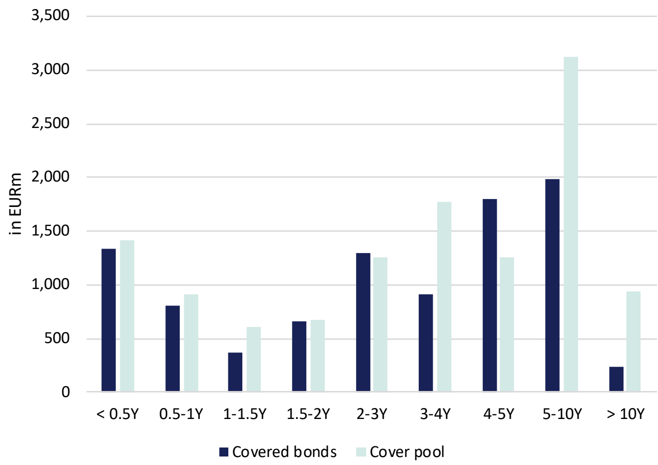
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 11,951.6 | Number of loans | n/a |
| of which residential | 39.1% | Number of borrowers | n/a |
| of which commercial | 54.2% | Number of properties | n/a |
| of which substitution assets | 6.6% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 9,387.1 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,564.5 | Share of multi-familiy houses | n/a |
| OC | 27.3% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 80.7% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 97.8% | Largest FX position (NPV in EURm) | GBP (574.3) |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 56.9% (> EUR 10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 6.3y |
| Avg. LTV (Original value) | 60.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

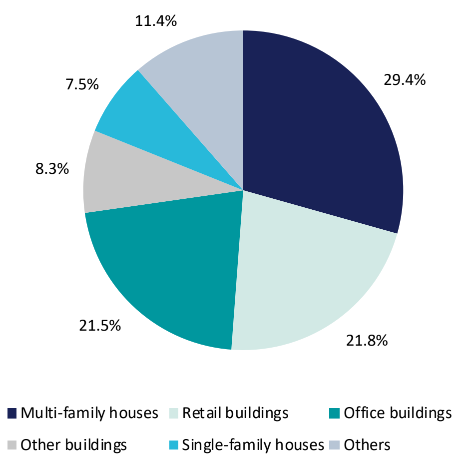
## Development of cover pool data



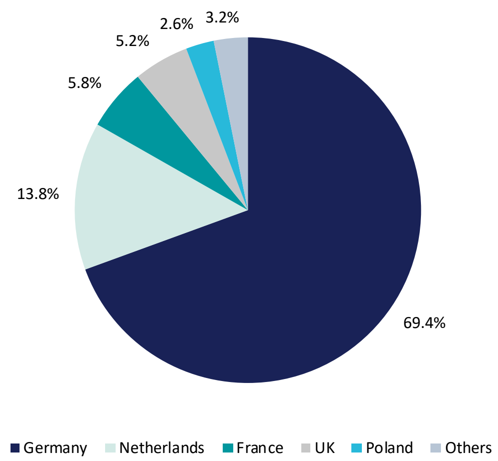

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

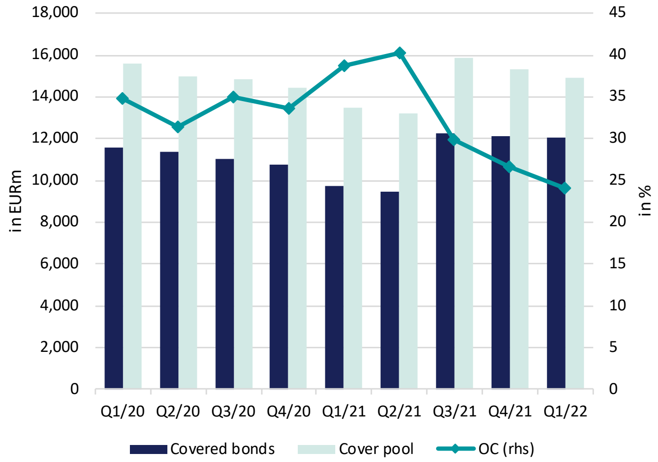
# Norddeutsche Landesbank

# Public sector

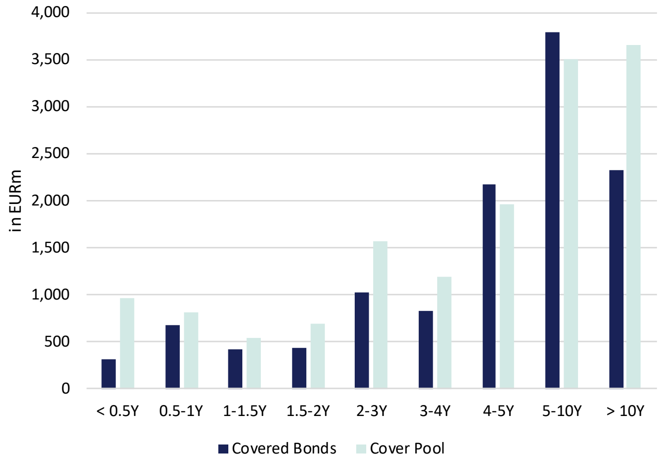
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 14,924.7 | Number of loans | 3,967 |
| of which substitution assets | 2.7% | Number of borrowers | 1,399 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.5% |
| Covered bonds (EURm) | 12,037.0 | Avg. exposure to borrowers (EUR) | 10,380,415 |
| OC (EURm) | 2,887.7 | EUR share (Cover pool) | 96.8% |
| OC | 24.0% | EUR share (Covered bonds) | 99.6% |
| Fixed interest (Cover pool) | 88.6% | Largest FX position (NPV in EURm) | USD (221.6) |
| Fixed interest (Covered bonds) | 96.9% | Share of largest exposure tranche | 45.1% (> EUR 100m) |
| WAL (Cover pool) | 6.8y | Loans in arrears (>90 days) | 0.04% |
| WAL (Covered Bonds) | 6.7y | | |

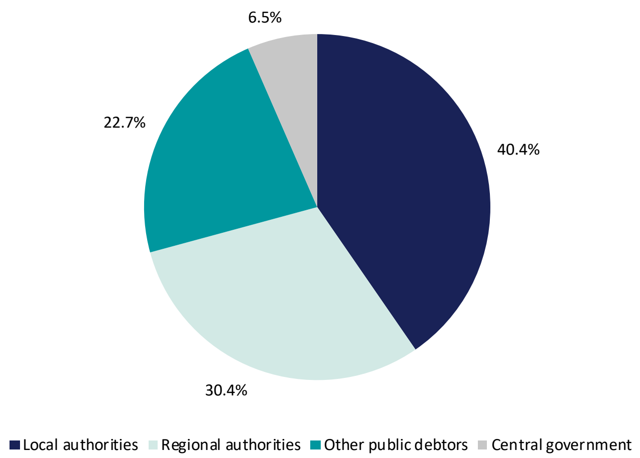
## Development of cover pool data



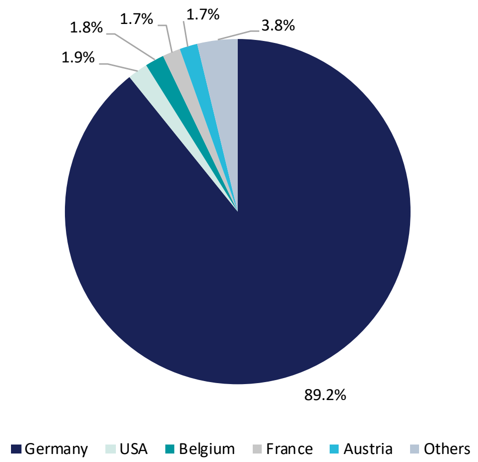

## Maturity structure




## Composition of primary assets




## Regional distribution of claims



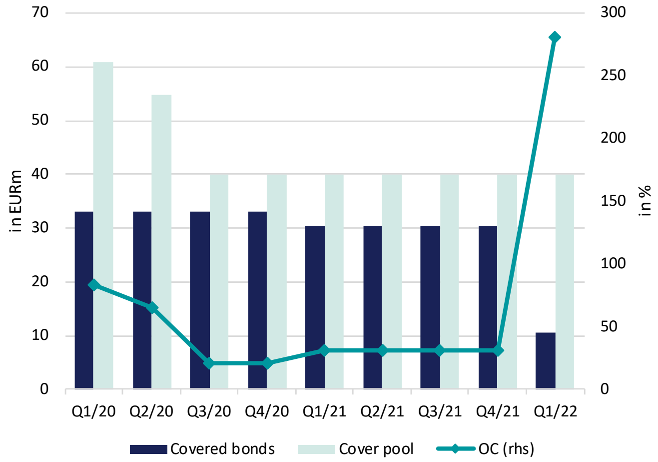

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Norddeutsche Landesbank — Ship

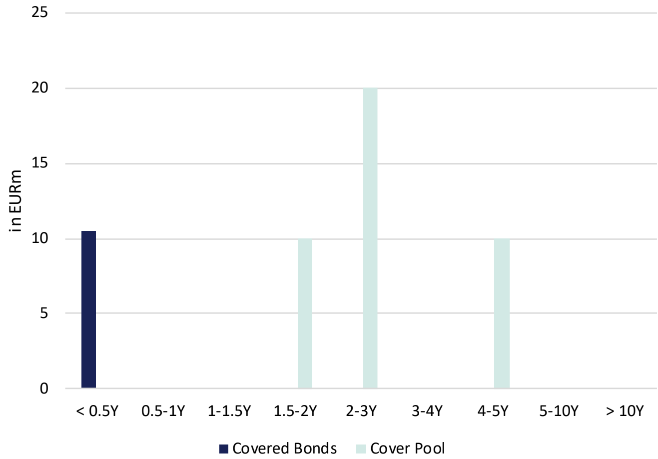
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 40.0 | Number of loans | n/a |
| of which substitution assets | 100.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Avg. exposure to borrowers (EUR) | n/a |
| Covered bonds (EURm) | 10.5 | Largest FX position (NPV in EURm) | - |
| OC (EURm) | 29.5 | Share of largest exposure tranche | n/a |
| OC | 281.0% | Loans in arrears (>90 days) | 0.00% |
| Fixed interest (Cover pool) | 4.8% | | |
| Fixed interest (Covered bonds) | 57.5% | | |
| WAL (Cover pool) | n/a | | |
| WAL (Covered Bonds) | n/a | | |

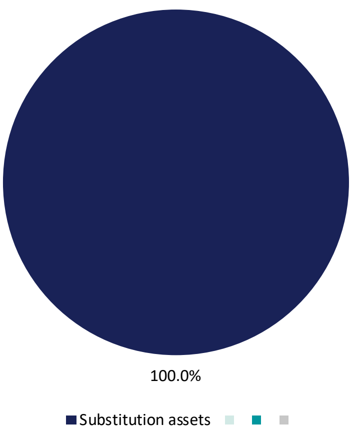
## Development of cover pool data




## Maturity structure




## Composition of cover pool




## Regional distribution of primary assets

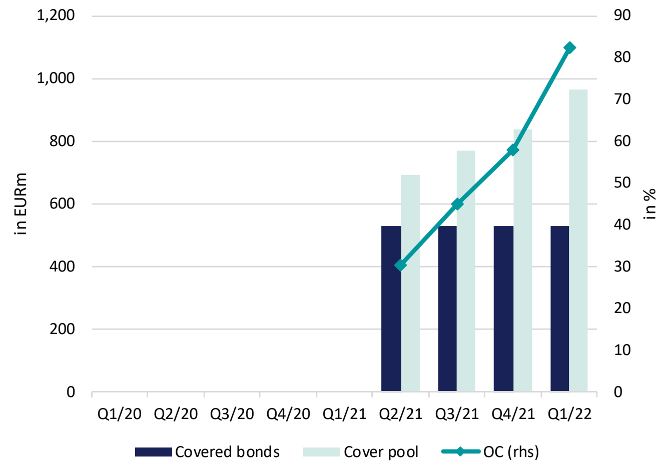
Source: vdp, NORD/LB Markets Strategy & Floor Research

# Oldenburgische Landesbank — Mortgage

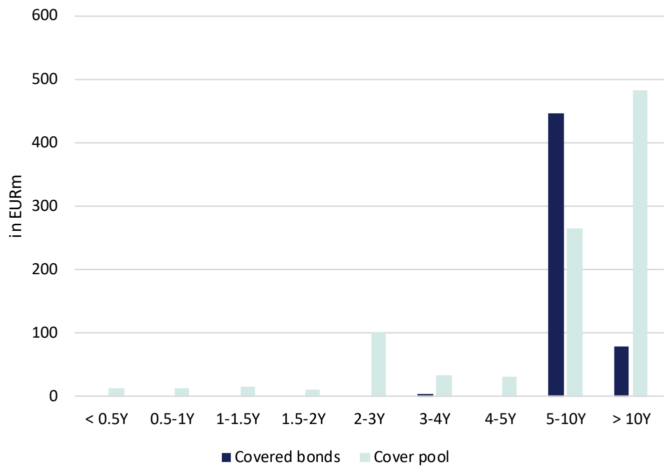
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 968.6 | Number of loans | n/a |
| of which residential | 91.9% | Number of borrowers | n/a |
| of which commercial | 0.9% | Number of properties | n/a |
| of which substitution assets | 7.2% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 531.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 437.6 | Share of multi-familiy houses | n/a |
| OC | 82.4% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 92.8% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 95.1% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 4.0y |
| Avg. LTV (Original value) | 56.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

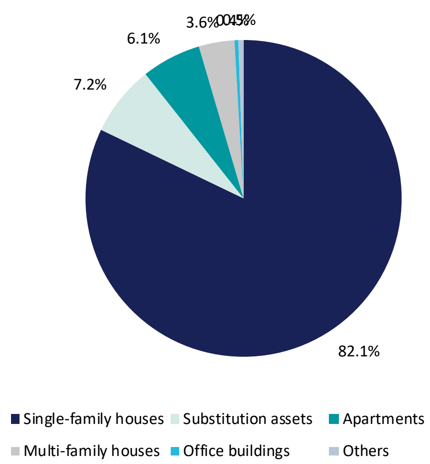
## Development of cover pool data



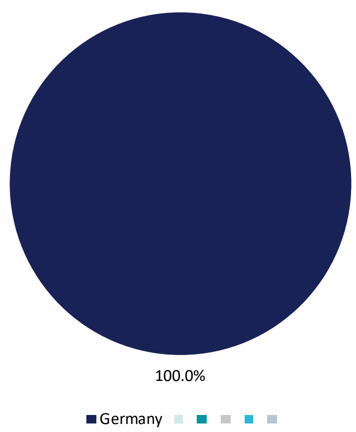

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

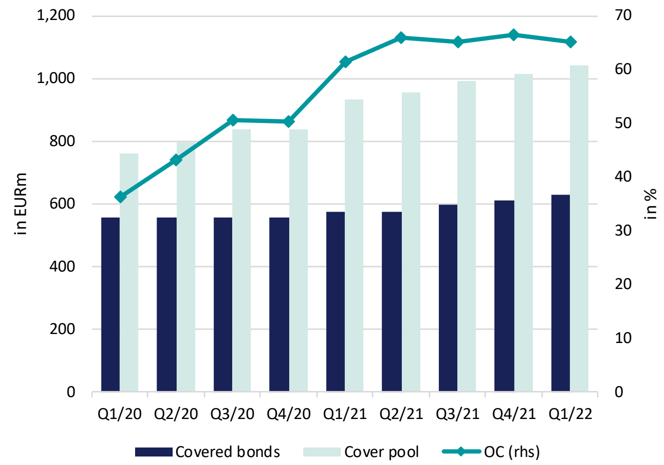
# PSD Bank Nürnberg

# Mortgage

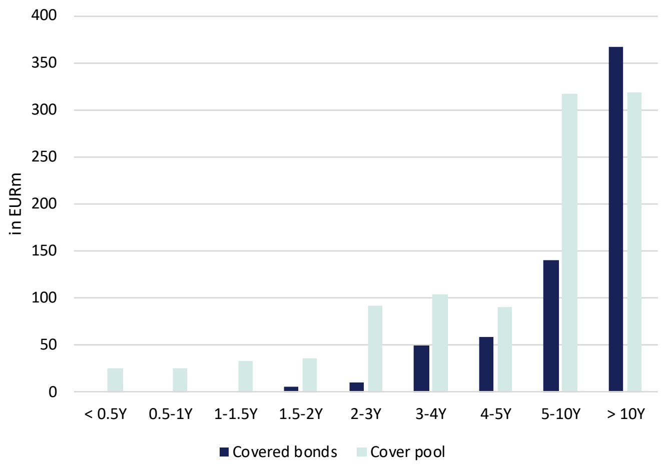
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,042.2 | Number of loans | 10,619 |
| of which residential | 97.7% | Number of borrowers | 8,518 |
| of which commercial | 0.0% | Number of properties | 9,806 |
| of which substitution assets | 2.3% | Avg. exposure to borrowers (EUR) | 119,537 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.4% |
| Covered bonds (EURm) | 630.6 | Share of owner-occupied dwellings | 85.3% |
| OC (EURm) | 411.6 | Share of multi-familiy houses | 0.0% |
| OC | 65.3% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 7.5y | Share of largest exposure tranche | 99.2% (< EUR 0.3m) |
| WAL (Covered Bonds) | 11.6y | Avg. seasoning | 4.6y |
| Avg. LTV (Original value) | 51.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

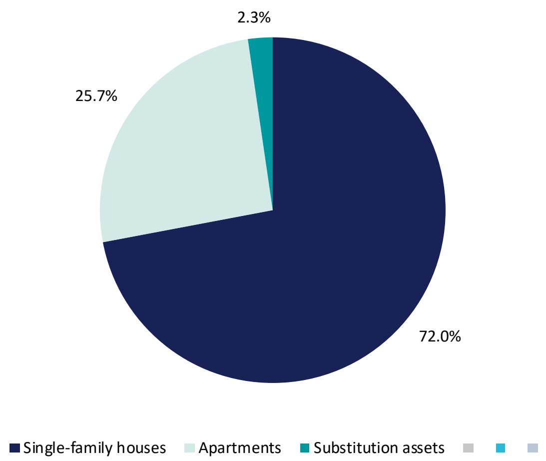
## Development of cover pool data




## Maturity structure




## Composition of cover pool




## Regional distribution of properties

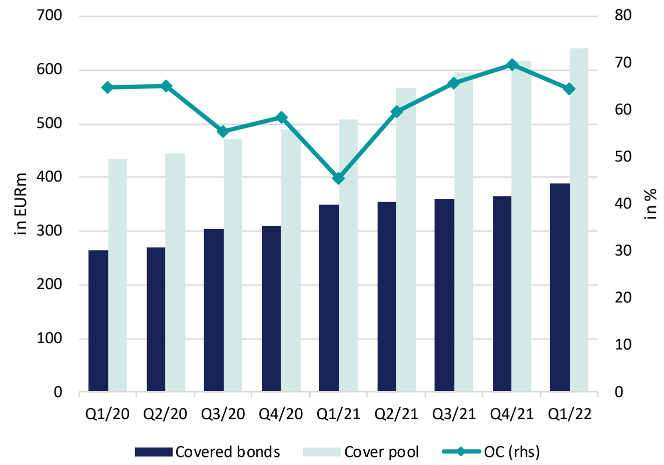

Source: vdp, NORD/LB Markets Strategy & Floor Research

# PSD Bank Rhein-Ruhr Mortgage

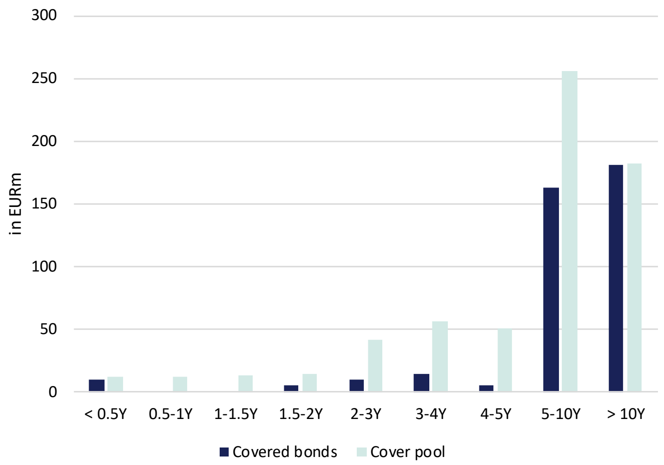
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 640.8 | Number of loans | 6,708 |
| of which residential | 97.7% | Number of borrowers | 5,324 |
| of which commercial | 0.0% | Number of properties | 5,597 |
| of which substitution assets | 2.3% | Avg. exposure to borrowers (EUR) | 117,553 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 1.1% |
| Covered bonds (EURm) | 389.0 | Share of owner-occupied dwellings | 89.2% |
| OC (EURm) | 251.8 | Share of multi-familiy houses | 5.6% |
| OC | 64.7% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 7.8y | Share of largest exposure tranche | 93.2% (< EUR 0.3m) |
| WAL (Covered Bonds) | 9.2y | Avg. seasoning | 4.5y |
| Avg. LTV (Original value) | 50.9% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

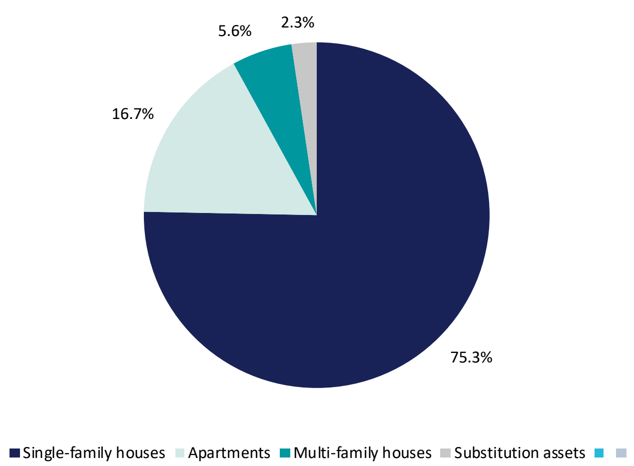
## Development of cover pool data




## Maturity structure




## Composition of cover pool




## Regional distribution of properties


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

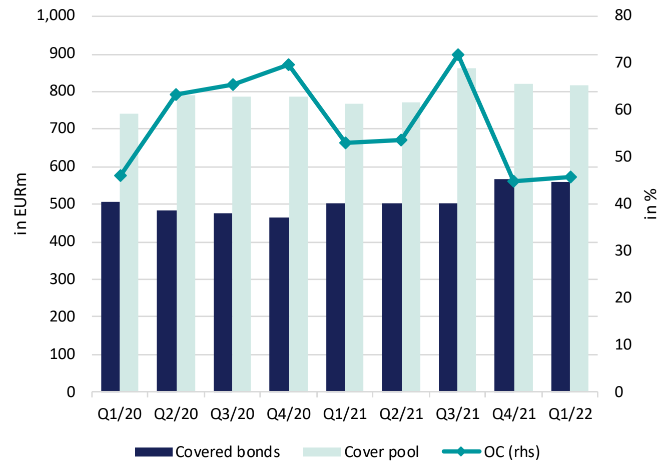
# SaarLB

# Mortgage

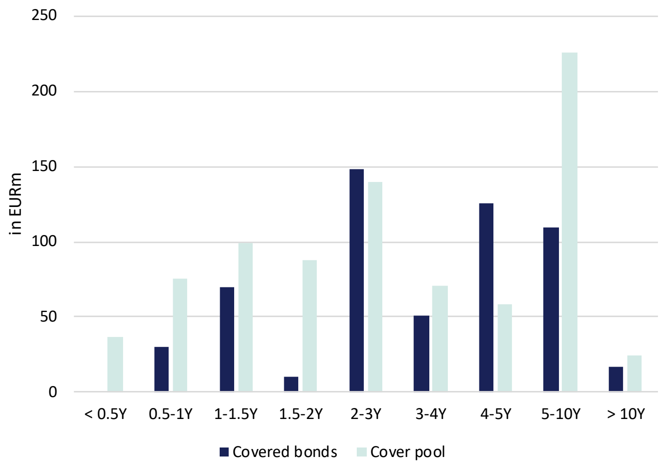
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 817.7 | Number of loans | n/a |
| of which residential | 2.4% | Number of borrowers | n/a |
| of which commercial | 93.3% | Number of properties | n/a |
| of which substitution assets | 4.3% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 561.3 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 256.4 | Share of multi-familiy houses | n/a |
| OC | 45.7% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 78.4% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 54.4% (> EUR 10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 50.4% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

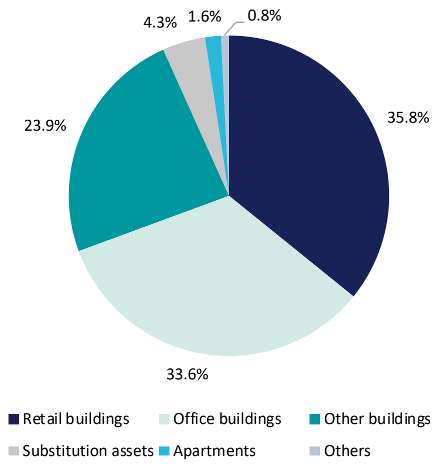
## Development of cover pool data



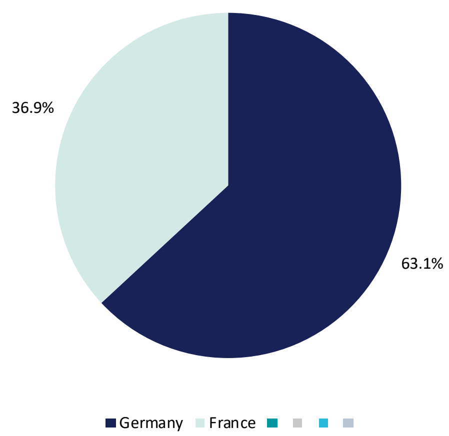

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

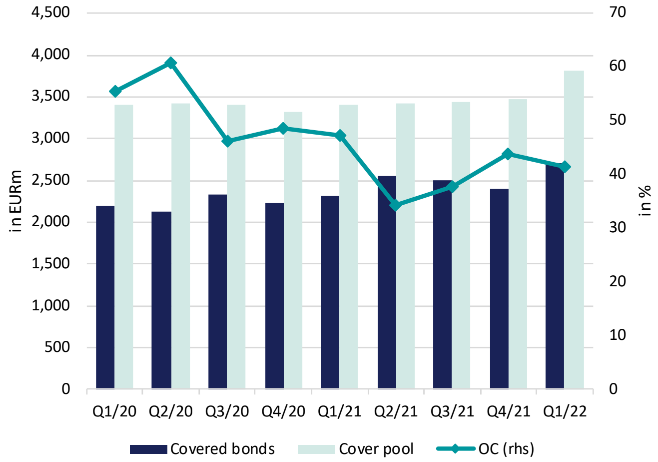
# SaarLB

# Public sector

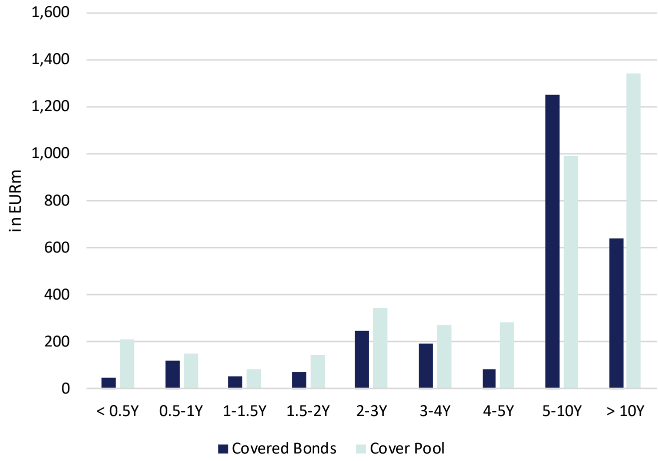
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 3,811.5 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 2,697.2 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 1,114.3 | EUR share (Cover pool) | n/a |
| OC | 41.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 74.7% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 98.2% | Share of largest exposure tranche | 65.1% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

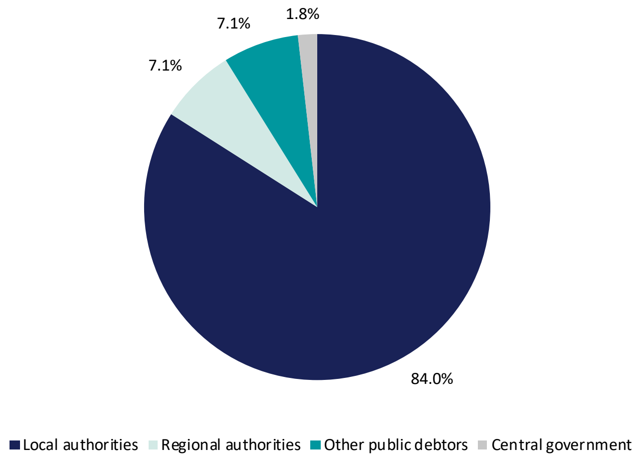
## Development of cover pool data



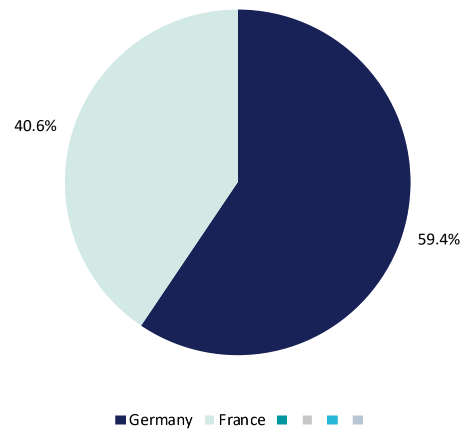

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

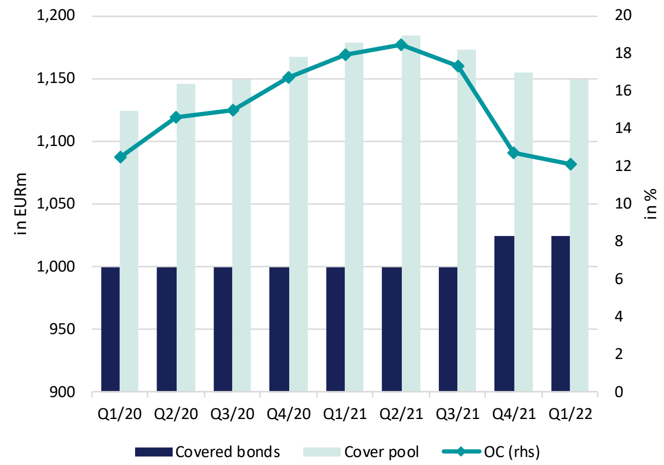
NORD/LB

# Santander Consumer Bank — Mortgage

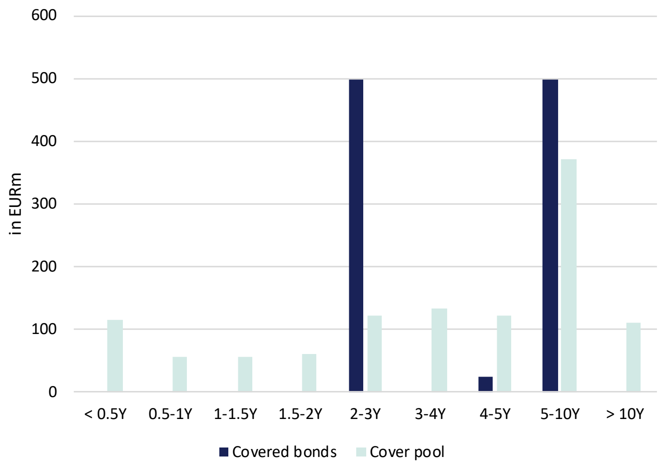
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,149.7 | Number of loans | 18,767 |
| of which residential | 95.5% | Number of borrowers | 23,060 |
| of which commercial | 0.0% | Number of properties | 13,772 |
| of which substitution assets | 4.5% | Avg. exposure to borrowers (EUR) | 47,632 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.4% |
| Covered bonds (EURm) | 1,025.0 | Share of owner-occupied dwellings | 84.1% |
| OC (EURm) | 124.7 | Share of multi-familiy houses | 2.3% |
| OC | 12.2% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 4.9y | Share of largest exposure tranche | 97.4% (< EUR 0.3m) |
| WAL (Covered Bonds) | 5.3y | Avg. seasoning | 7.1y |
| Avg. LTV (Original value) | 44.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

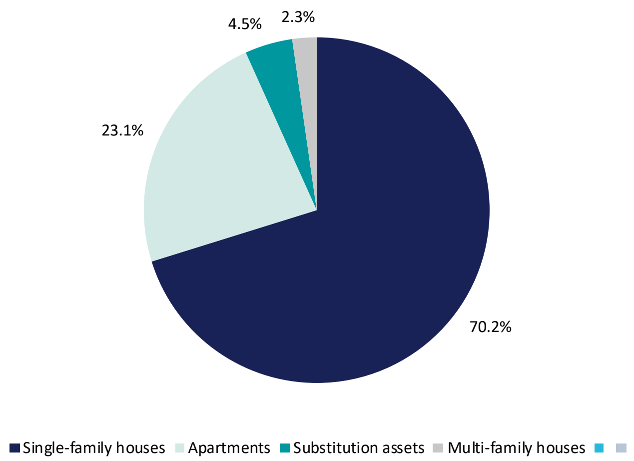
## Development of cover pool data



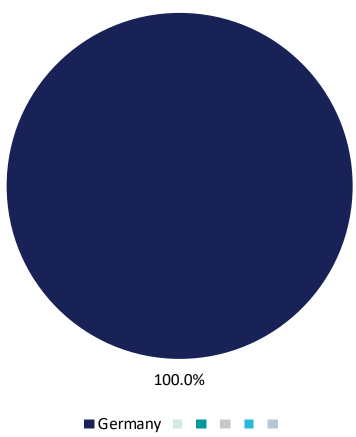

## Maturity structure




## Composition of cover pool




## Regional distribution of properties



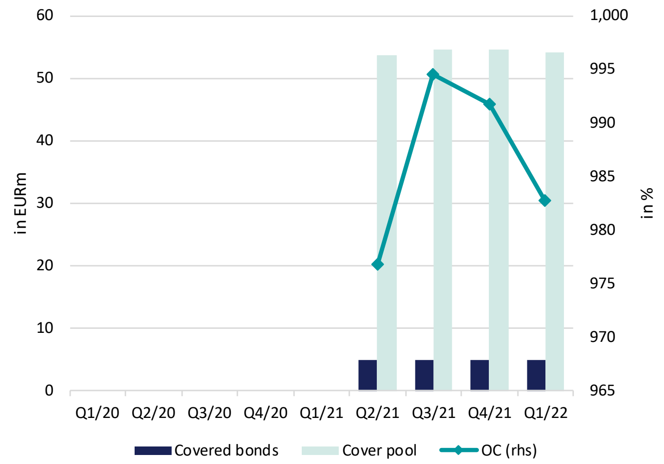

Source: vdp, NORD/LB Markets Strategy & Floor Research

# Sparda-Bank Südwest — Mortgage

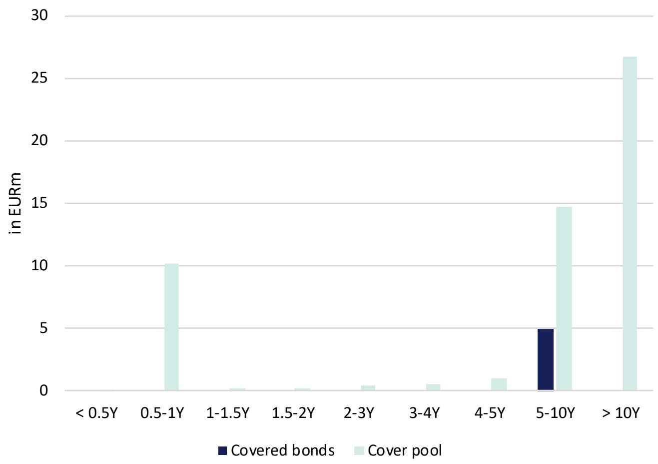
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 54.1 | Number of loans | n/a |
| of which residential | 81.5% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution assets | 18.5% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 5.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 49.1 | Share of multi-familiy houses | n/a |
| OC | 982.8% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 88.2% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 3.6y |
| Avg. LTV (Original value) | 58.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

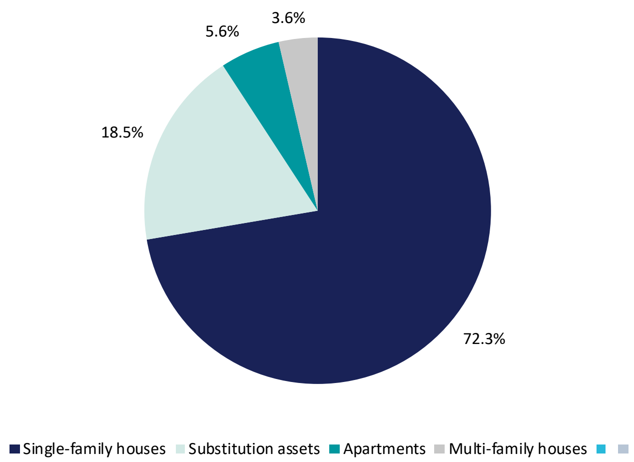
## Development of cover pool data



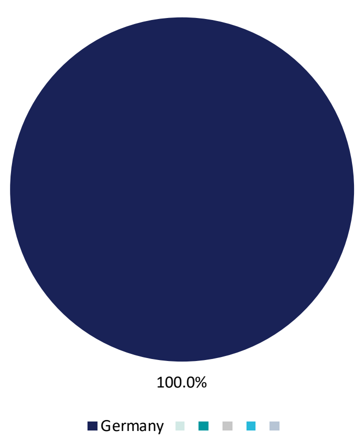

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

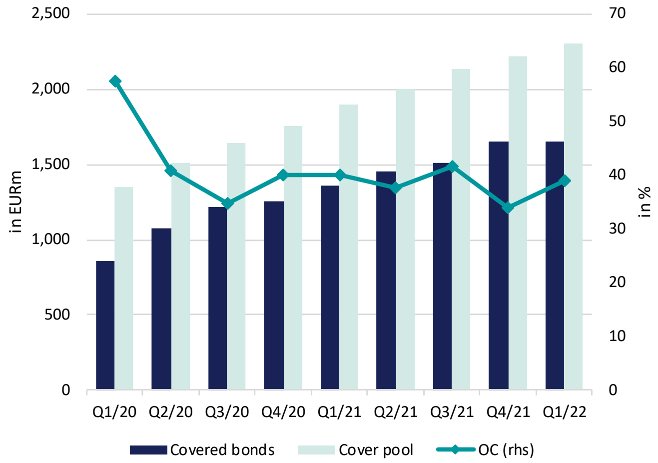
# Sparkasse Hannover

# Mortgage

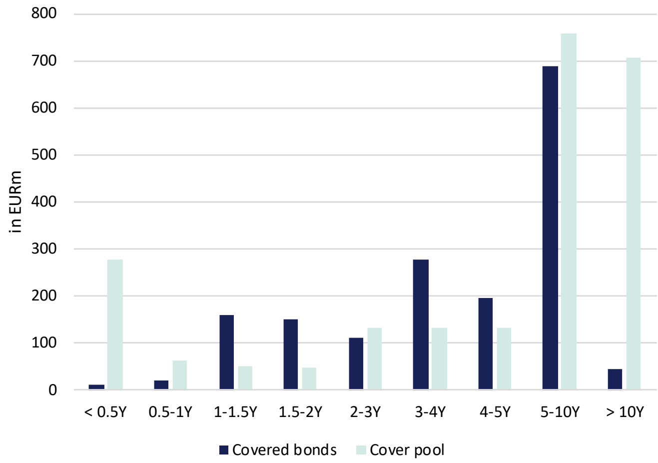
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 2,303.2 | Number of loans | n/a |
| of which residential | 78.7% | Number of borrowers | n/a |
| of which commercial | 17.5% | Number of properties | n/a |
| of which substitution assets | 3.9% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 1,657.6 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 645.6 | Share of multi-familiy houses | n/a |
| OC | 38.9% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 91.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 62.2% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 4.4y |
| Avg. LTV (Original value) | 56.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

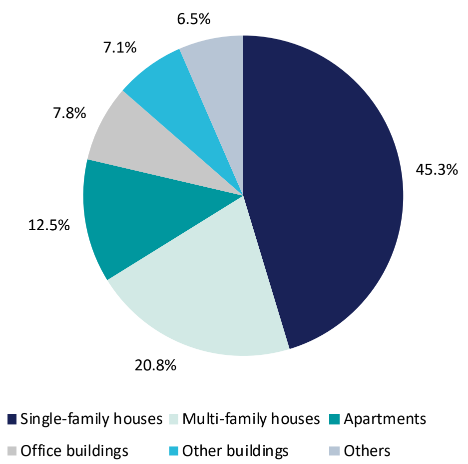
## Development of cover pool data



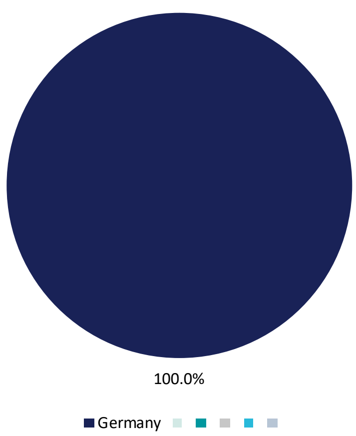

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

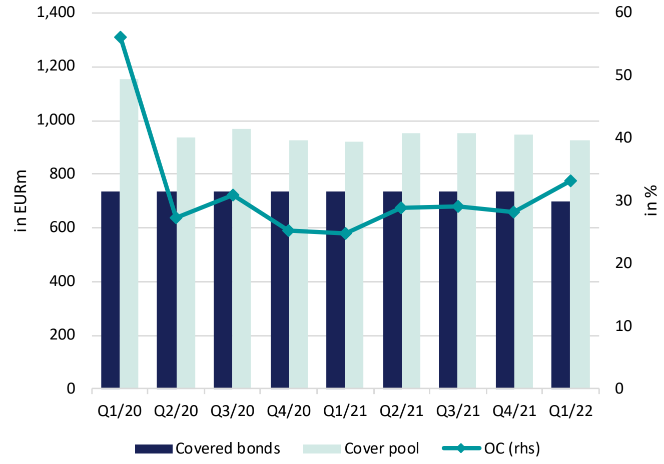
# Sparkasse Hannover

# Public sector

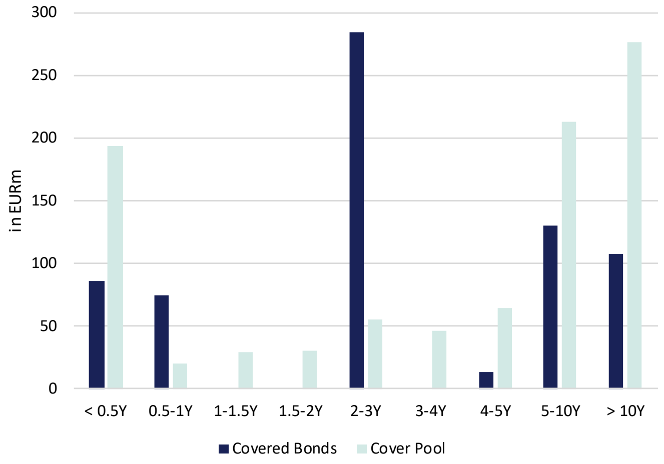
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 927.8 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 696.6 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 231.2 | EUR share (Cover pool) | n/a |
| OC | 33.2% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 99.9% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 51.0% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

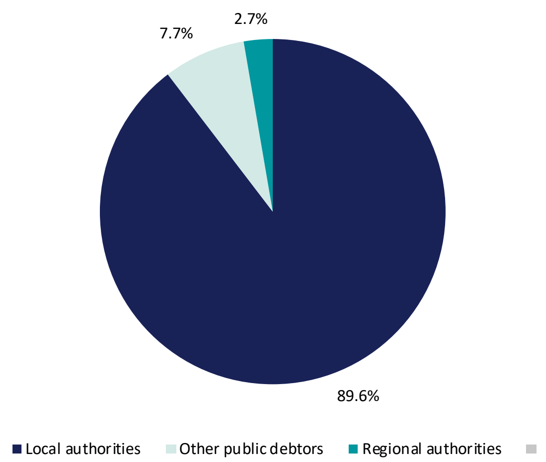
## Development of cover pool data



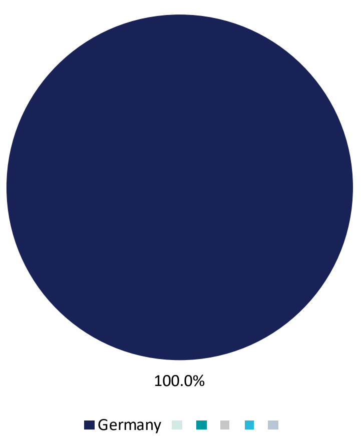

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

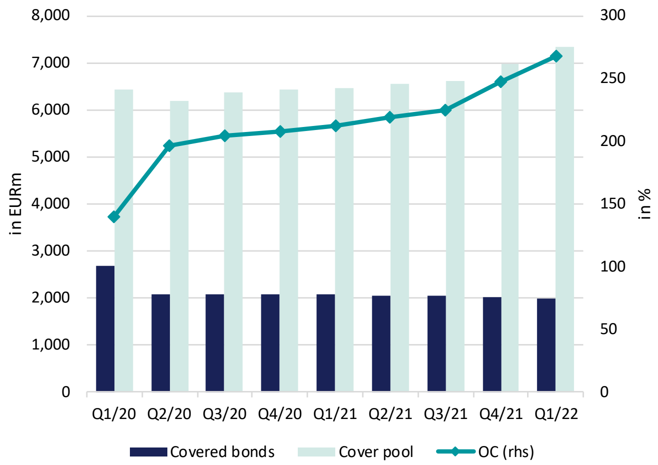
# Sparkasse KölnBonn

# Mortgage

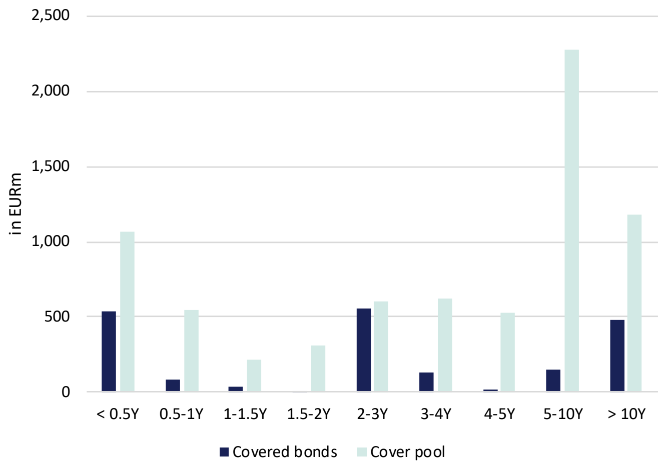
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 7,339.6 | Number of loans | n/a |
| of which residential | 69.6% | Number of borrowers | n/a |
| of which commercial | 17.7% | Number of properties | n/a |
| of which substitution assets | 12.7% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 1,994.3 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 5,345.3 | Share of multi-familiy houses | n/a |
| OC | 268.0% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 93.2% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | CHF (430.7) |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 50.3% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 52.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

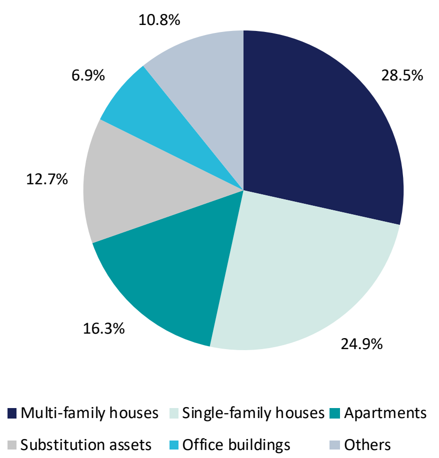
## Development of cover pool data



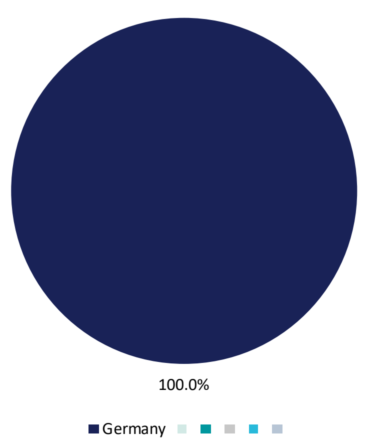

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

NORD/LB

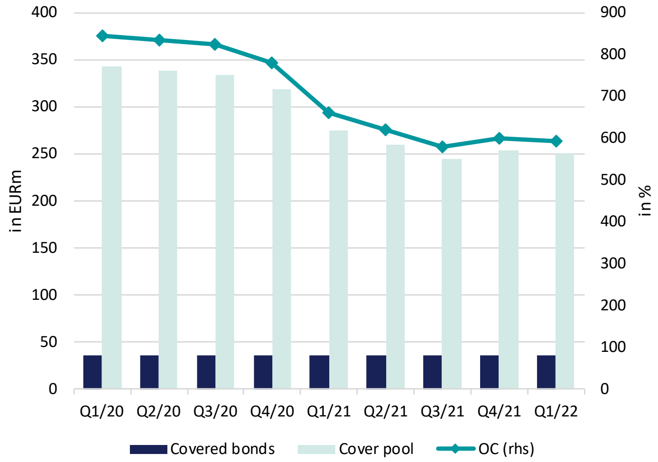
# Sparkasse KölnBonn

# Public sector

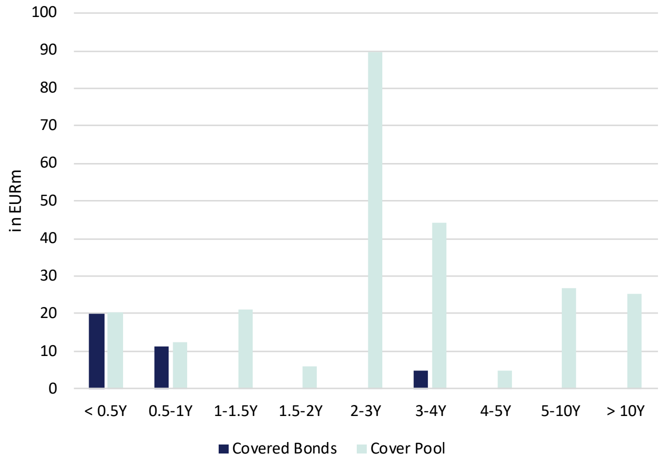
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 250.6 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 36.2 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 214.4 | EUR share (Cover pool) | n/a |
| OC | 592.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 89.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 78.6% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

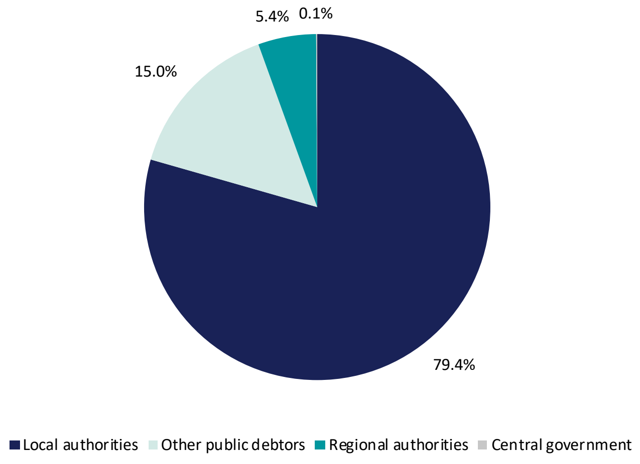
## Development of cover pool data



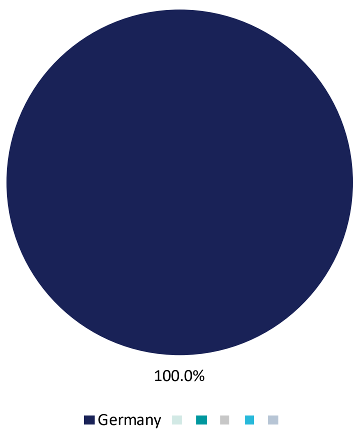

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

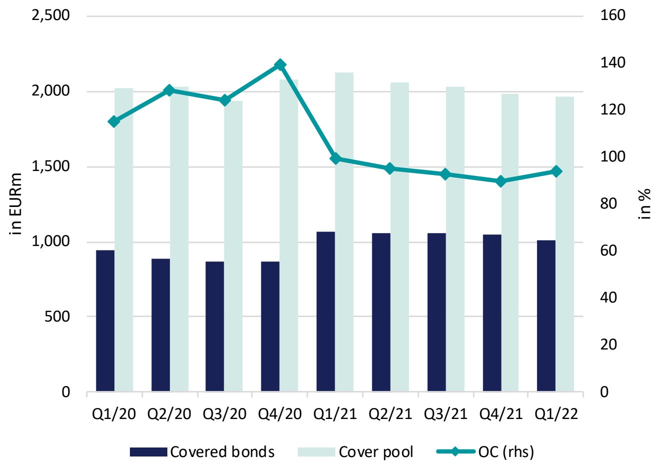
# Stadtsparkasse Düsseldorf

# Mortgage

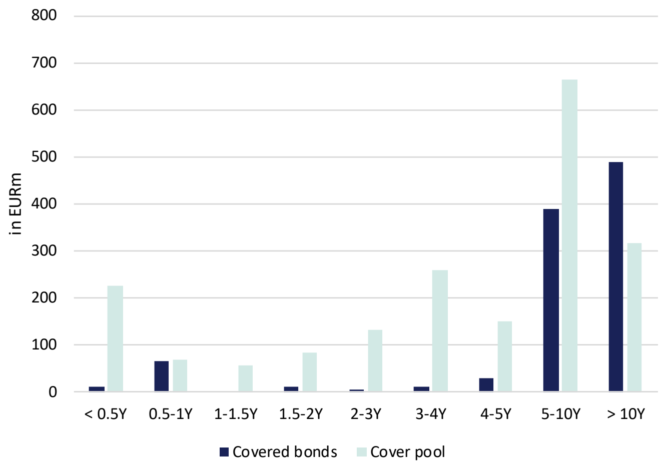
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 1,963.0 | Number of loans | n/a |
| of which residential | 71.0% | Number of borrowers | n/a |
| of which commercial | 24.0% | Number of properties | n/a |
| of which substitution assets | 5.0% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 1,010.3 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 952.7 | Share of multi-familiy houses | n/a |
| OC | 94.3% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 93.6% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 44.1% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 6.8y |
| Avg. LTV (Original value) | 55.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

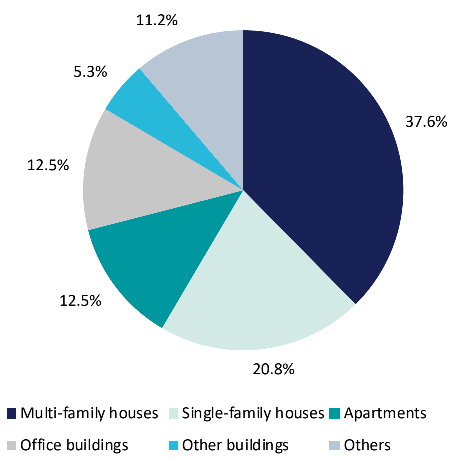
## Development of cover pool data



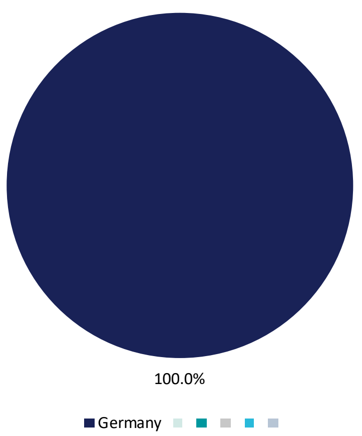

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

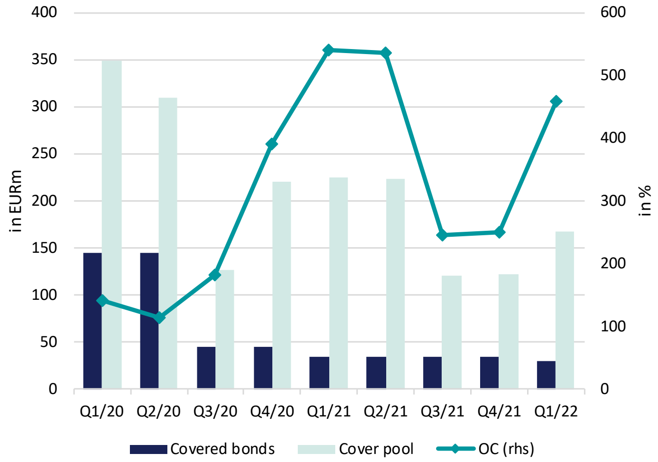
# Stadtsparkasse Düsseldorf

# Public sector

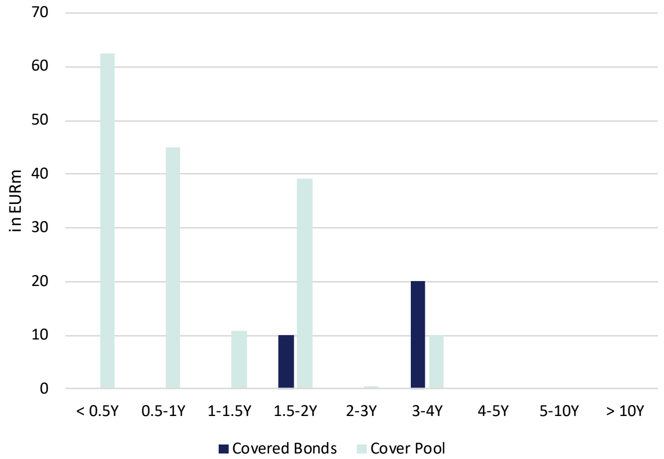
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 167.7 | Number of loans | n/a |
| of which substitution assets | 0.0% | Number of borrowers | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 30.0 | Avg. exposure to borrowers (EUR) | n/a |
| OC (EURm) | 137.7 | EUR share (Cover pool) | n/a |
| OC | 458.9% | EUR share (Covered bonds) | n/a |
| Fixed interest (Cover pool) | 100.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 67.3% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

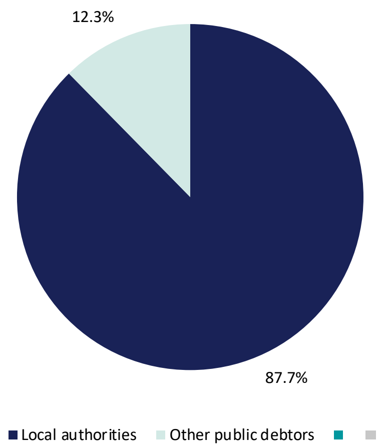
## Development of cover pool data



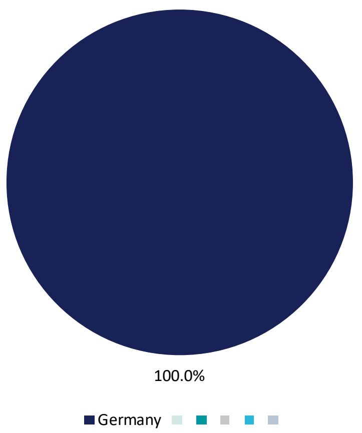

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

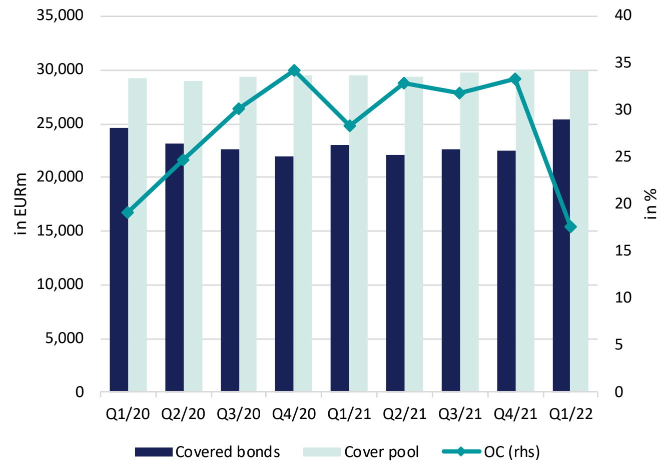
# UniCredit Bank

# Mortgage

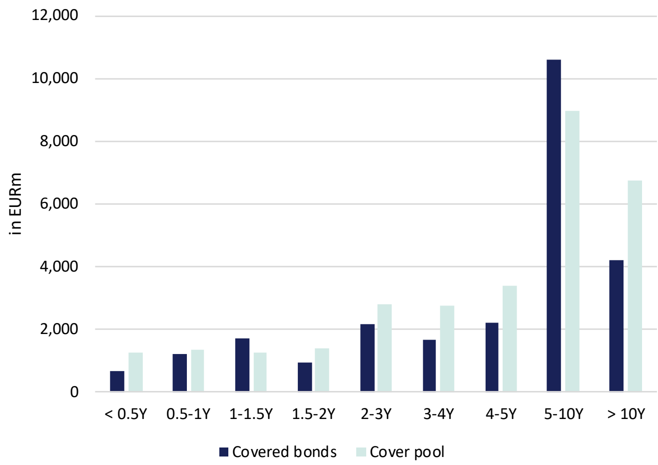
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 29,941.3 | Number of loans | 140,528 |
| of which residential | 69.5% | Number of borrowers | 107,593 |
| of which commercial | 28.7% | Number of properties | 131,084 |
| of which substitution assets | 1.9% | Avg. exposure to borrowers (EUR) | 273,106 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 8.5% |
| Covered bonds (EURm) | 25,458.7 | Share of owner-occupied dwellings | 34.4% |
| OC (EURm) | 4,482.6 | Share of multi-familiy houses | 23.3% |
| OC | 17.6% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 82.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 98.9% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 6.9y | Share of largest exposure tranche | 36.8% (< EUR 0.3m) |
| WAL (Covered Bonds) | 6.6y | Avg. seasoning | 7.0y |
| Avg. LTV (Original value) | 41.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

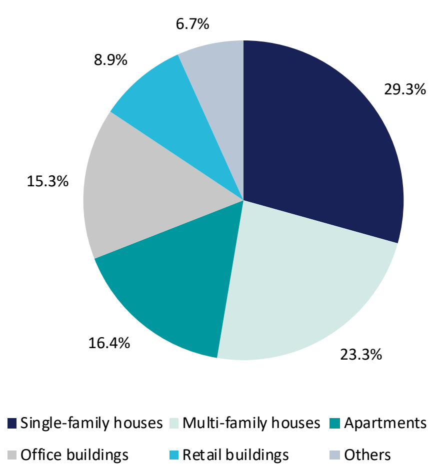
## Development of cover pool data



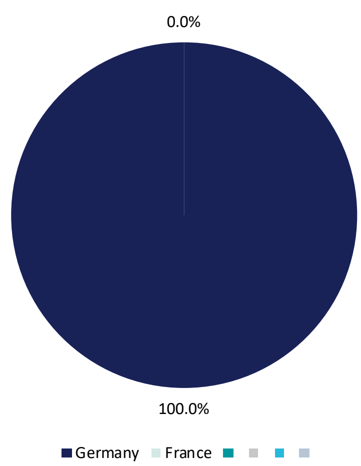

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

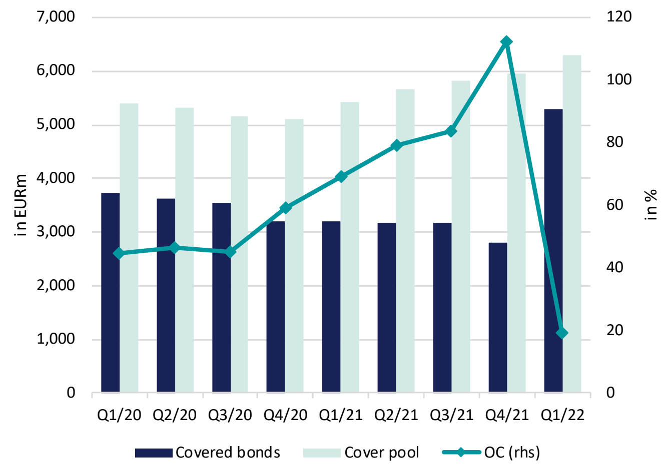
# UniCredit Bank

# Public sector

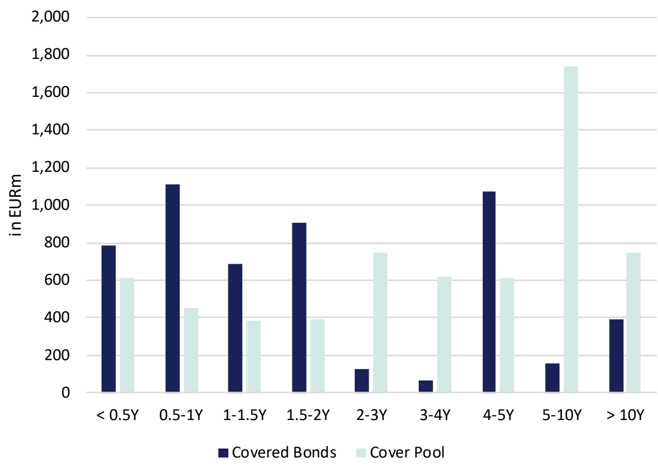
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 6,309.6 | Number of loans | 1,607 |
| of which substitution assets | 0.0% | Number of borrowers | 852 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 42.1% |
| Covered bonds (EURm) | 5,296.0 | Avg. exposure to borrowers (EUR) | 7,405,634 |
| OC (EURm) | 1,013.6 | EUR share (Cover pool) | 93.5% |
| OC | 19.1% | EUR share (Covered bonds) | 91.5% |
| Fixed interest (Cover pool) | 71.7% | Largest FX position (NPV in EURm) | USD (-35.2) |
| Fixed interest (Covered bonds) | 99.9% | Share of largest exposure tranche | 55.7% (> EUR 100m) |
| WAL (Cover pool) | 5.2y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 3.4y | | |

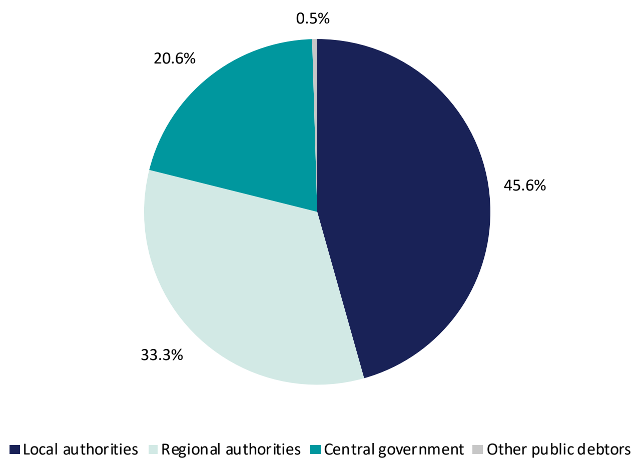
## Development of cover pool data



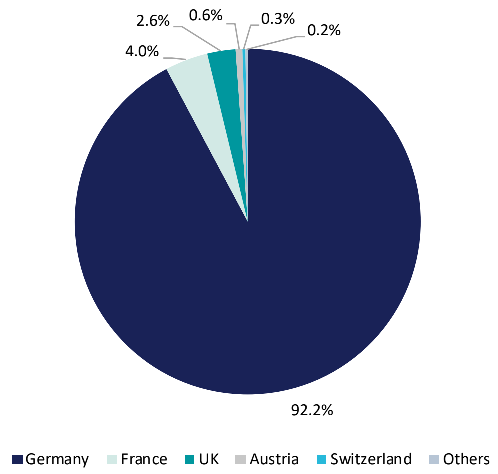

## Maturity structure




## Composition of primary assets




## Regional distribution of claims




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

NORD/LB

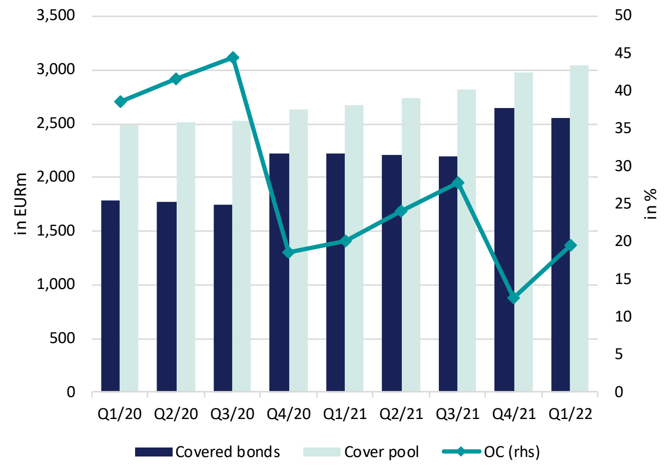
# Wüstenrot Bausparkasse

# Mortgage

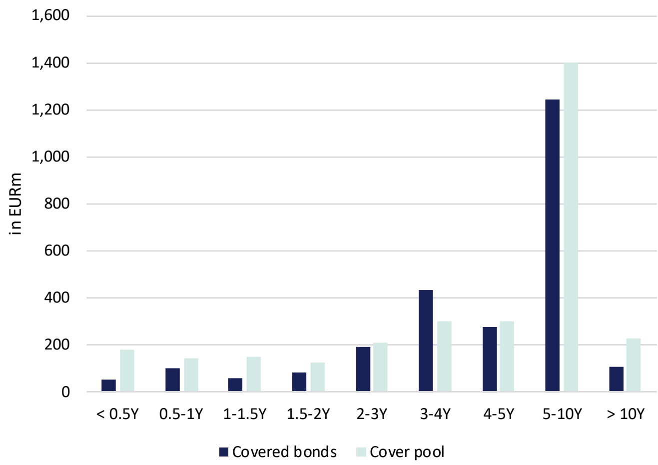
## Cover pool data

| | | | |
|---|---|---|---|
| Cover pool (EURm) | 3,046.8 | Number of loans | 33,764 |
| of which residential | 87.4% | Number of borrowers | 30,045 |
| of which commercial | 1.1% | Number of properties | 31,803 |
| of which substitution assets | 11.5% | Avg. exposure to borrowers (EUR) | 89,728 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 3.1% |
| Covered bonds (EURm) | 2,548.6 | Share of owner-occupied dwellings | 66.1% |
| OC (EURm) | 498.2 | Share of multi-familiy houses | 16.4% |
| OC | 19.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 99.3% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.2% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.4y | Share of largest exposure tranche | 80.7% (< EUR 0.3m) |
| WAL (Covered Bonds) | 5.2y | Avg. seasoning | 9.5y |
| Avg. LTV (Original value) | 0.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | 46.9% | | |

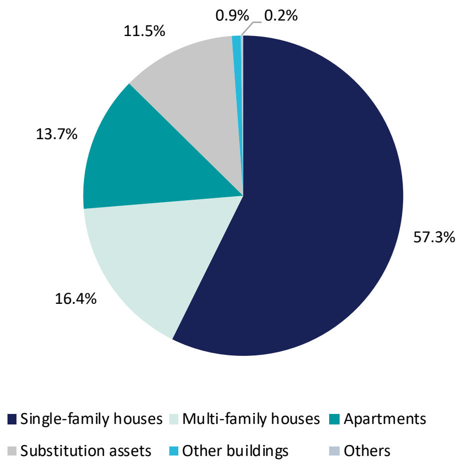
## Development of cover pool data



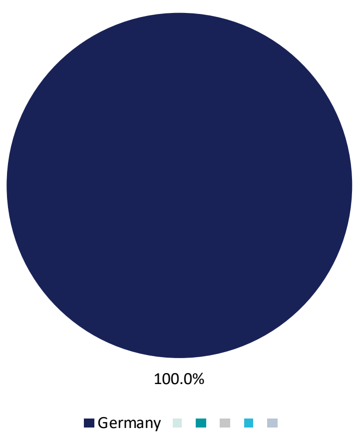

## Maturity structure




## Composition of cover pool




## Regional distribution of properties




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

# Appendix
# Contacts at NORD/LB

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norman.rudschuck@nordlb.de

### Sales

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

### Trading

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

### Origination & Syndicate

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

### Sales Wholesale Customers

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

### Treasury

| | |
|---|---|
| Collat. Management/Repos | +49 511 9818-9200 |
| Liquidity Management | +49 511 9818-9620<br>+49 511 9818-9650 |

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