



Transparency requirements §28 PfandBG Q3/2022

Markets Strategy & Floor Research



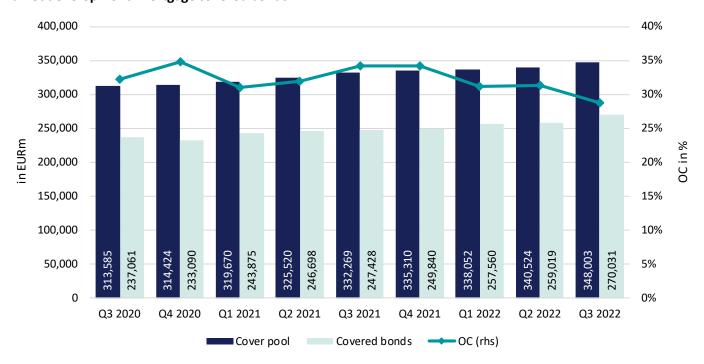
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Authors: Melanie Kiene, CIIA // Dr. Frederik Kunze // Stefan Rahaus

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Market Overview

Market development: mortgage covered bonds



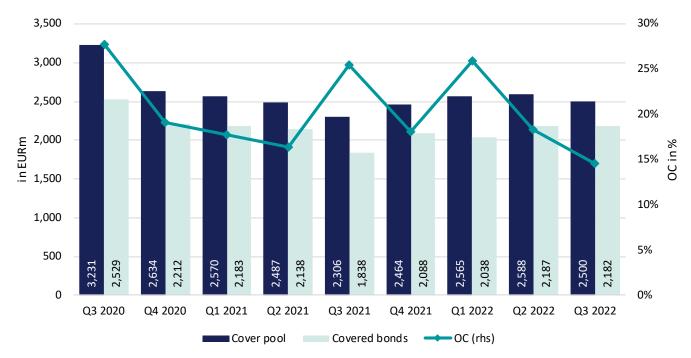
Market development: public sector covered bonds



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



Market development: ship covered bonds



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



Market overview: mortgage covered bonds

| | Cover pool | Pfandbrief volume | ОС | | | Cover type (in%) | | DE share (in %) |
|---------------------------------|------------|-------------------|---------|---------|-------------|------------------|--------|-----------------|
| Issuer | in EURm | in EURm | in EURm | in % | Residential | Commercial | Others | Primary assets |
| Aareal Bank | 15,277 | 13,262 | 2,015 | 15.2 | 6.3% | 86.9% | 6.8% | 11.5% |
| ALTE LEIPZIGER Bauspar | 58 | 15 | 43 | 289.1 | 96.6% | 0.0% | 3.4% | 100.0% |
| Baus parkasse Mainz | 163 | 129 | 35 | 27.0 | 96.3% | 0.0% | 3.7% | 100.0% |
| Baus parkasse Schwäbisch Hall | 2,969 | 2,506 | 463 | 18.5 | 95.8% | 0.4% | 3.8% | 100.0% |
| BayernLB | 11,718 | 8,241 | 3,477 | 42.2 | 12.1% | 79.5% | 8.3% | 56.0% |
| BBBank | 21 | 0 | 21 | 0.0 | 90.3% | 0.0% | 9.7% | 100.0% |
| Berlin Hyp | 20,153 | 18,533 | 1,620 | 8.7 | 28.0% | 53.9% | 18.1% | 67.8% |
| Commerzbank | 38,958 | 25,978 | 12,980 | 50.0 | 95.5% | 2.2% | 2.3% | 100.0% |
| DekaBank | 1,164 | 695 | 469 | 67.4 | 0.0% | 95.3% | 4.7% | 45.6% |
| apoBank | 9,214 | 8,304 | 910 | 11.0 | 75.9% | 17.8% | 6.3% | 100.0% |
| Deutsche Bank | 16,083 | 13,007 | 3,076 | 23.7 | 89.5% | 6.4% | 4.1% | 100.0% |
| DKB | 6,157 | 3,960 | 2,197 | 55.5 | 92.7% | 2.0% | 5.4% | 100.0% |
| DSK Hyp | 61 | 13 | 48 | 387.5 | 0.0% | 59.0% | 41.0% | 100.0% |
| DZ HYP | 39,388 | 33,515 | 5,872 | 17.5 | 55.6% | 42.0% | 2.4% | 96.3% |
| Hamburger Sparkasse | 8,207 | 6,594 | 1,613 | 24.5 | 62.7% | 26.9% | 10.4% | 100.0% |
| Helaba | 16,545 | 10,679 | 5,866 | 54.9 | 31.0% | 67.6% | 1.4% | 49.0% |
| Hamburg Commercial Bank | 3,488 | 3,067 | 421 | 13.7 | 16.3% | 79.7% | 4.0% | 92.0% |
| ING-DiBa | 10,775 | 7,355 | 3,420 | 46.5 | 100.0% | 0.0% | 0.0% | 100.0% |
| Kreis sparkasse Köln | 6,333 | 1,236 | 5,098 | 412.6 | 83.4% | 11.8% | 4.8% | 100.0% |
| LandesbankBerlin | 5,824 | 3,863 | 1,961 | 50.8 | 68.5% | 27.3% | 4.2% | 100.0% |
| LBBW | 16,924 | 13,259 | 3,665 | 27.6 | 40.4% | 54.6% | 5.0% | 81.5% |
| M.M.Warburg & CO Hypothekenbank | 1,340 | 1,128 | 212 | 18.8 | 21.2% | 73.4% | 5.5% | 94.7% |
| Münchener Hypothekenbank | 34,471 | 32,786 | 1,685 | 5.1 | 80.0% | 17.4% | 2.6% | 78.2% |
| Natixis Pfandbriefbank | 1,520 | 1,316 | 204 | 15.5 | 6.3% | 77.9% | 15.8% | 47.0% |
| NORD/LB | 11,463 | 9,074 | 2,389 | 26.3 | 40.0% | 54.2% | 5.8% | 70.7% |
| Oldenburgische Landesbank | 1,118 | 911 | 207 | 22.7 | 90.6% | 1.8% | 7.6% | 100.0% |
| Deutsche Pfandbriefbank | 19,180 | 16,242 | 2,938 | 18.1 | 15.9% | 80.7% | 3.4% | 41.0% |
| PSD Bank Nürnberg | 1,083 | 631 | 452 | 71.7 | 97.6% | 0.0% | 2.4% | 100.0% |
| PSD Bank Rhein-Ruhr | 698 | 424 | 274 | 64.7 | 97.5% | 0.0% | 2.5% | 100.0% |
| SaarLB | 944 | 616 | 327 | 53.1 | 2.0% | 95.3% | 2.7% | 61.1% |
| Santander Consumer Bank | 1,172 | 1,025 | 147 | 14.3 | 95.6% | 0.0% | 4.4% | 100.0% |
| Sparda-Bank Südwest | 81 | 5 | 76 | 1,525.8 | 87.5% | 0.0% | 12.5% | 100.0% |
| Sparkasse Hannover | 2,471 | 1,648 | 824 | 50.0 | 77.8% | 18.6% | 3.6% | 100.0% |
| Stadts parkas se Düsseldorf | 1,925 | 1,010 | 914 | 90.5 | 70.7% | 24.1% | 5.1% | 100.0% |
| Sparkasse KölnBonn | 6,792 | 1,438 | 5,354 | 372.3 | 77.8% | 19.9% | 2.3% | 100.0% |
| UniCredit Bank | 30,664 | 24,628 | 6,035 | 24.5 | 69.4% | 27.8% | 2.8% | 100.0% |
| Wüstenrot Bausparkasse | 3,333 | 2,833 | 500 | 17.7 | 83.9% | 1.1% | 15.0% | 100.0% |

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



Market overview: public sector covered bonds

| | Cover pool | Pfandbrief volume | ОС | | | C | over type (in%) | | | DE share (in %) |
|---------------------------------|------------|-------------------|---------|--------|------------|-------------|-----------------|---------|--------|-----------------|
| Issuer | in EURm | in EURm | in EURm | in % | Central | Regional | Local | Other | Others | Primary assets |
| | | | | ,- | government | authorities | authorities | debtors | | , |
| Aareal Bank | 1,481 | 1,299 | 183 | 14.1% | 16.9% | 63.5% | 18.4% | 1.2% | 0.0% | 75.4% |
| BayernLB | 24,394 | 16,937 | 7,457 | 44.0% | 7.6% | 39.3% | 43.1% | 8.0% | 1.9% | 93.6% |
| Berlin Hyp | 253 | 200 | 53 | 26.7% | 19.7% | 68.1% | 0.0% | 0.0% | 12.2% | 77.5% |
| Commerzbank | 14,239 | 10,752 | 3,486 | 32.4% | 23.8% | 28.5% | 44.7% | 3.1% | 0.0% | 61.3% |
| DekaBank | 4,575 | 4,055 | 519 | 12.8% | 9.2% | 11.4% | 59.4% | 19.4% | 0.6% | 87.3% |
| Deutsche Bank | 161 | 90 | 71 | 78.3% | 55.1% | 23.1% | 0.0% | 0.0% | 21.8% | 29.5% |
| DKB | 7,724 | 4,545 | 3,179 | 69.9% | 0.1% | 9.4% | 66.5% | 23.9% | 0.0% | 100.0% |
| Deutsche Pfandbriefbank | 10,708 | 9,717 | 991 | 10.2% | 43.5% | 33.5% | 11.0% | 12.1% | 0.0% | 26.4% |
| DZ HYP | 12,468 | 9,910 | 2,558 | 25.8% | 5.5% | 20.7% | 69.2% | 4.6% | 0.0% | 86.6% |
| Hamburg Commercial Bank | 905 | 783 | 122 | 15.6% | 3.8% | 77.2% | 16.8% | 2.3% | 0.0% | 84.1% |
| Kreis sparkasse Köln | 297 | 193 | 104 | 53.5% | 17.2% | 0.0% | 59.6% | 23.3% | 0.0% | 89.6% |
| LBBW | 12,461 | 10,577 | 1,884 | 17.8% | 22.6% | 19.3% | 45.3% | 12.8% | 0.0% | 93.6% |
| LandesbankBerlin | 826 | 260 | 566 | 217.6% | 0.0% | 6.0% | 0.6% | 93.3% | 0.0% | 100.0% |
| Helaba | 31,549 | 27,145 | 4,404 | 16.2% | 3.8% | 32.6% | 47.0% | 15.2% | 1.3% | 93.3% |
| LIGA Bank | 160 | 90 | 70 | 78.1% | 0.0% | 0.0% | 93.8% | 6.2% | 0.0% | 100.0% |
| M.M.Warburg & CO Hypothekenbank | 14 | 5 | 9 | 178.0% | 0.0% | 89.9% | 10.1% | 0.0% | 0.0% | 100.0% |
| Münchener Hypothekenbank | 1,444 | 1,305 | 138 | 10.6% | 8.3% | 81.1% | 4.7% | 5.9% | 0.0% | 89.3% |
| NORD/LB | 15,153 | 12,171 | 2,982 | 24.5% | 6.7% | 29.7% | 40.4% | 21.0% | 2.3% | 88.4% |
| SaarLB | 3,906 | 3,052 | 854 | 28.0% | 2.4% | 6.9% | 82.1% | 8.6% | 0.0% | 60.8% |
| Sparkasse Hannover | 1,085 | 621 | 464 | 74.7% | 0.0% | 6.0% | 82.0% | 12.1% | 0.0% | 100.0% |
| Sparkasse KölnBonn | 128 | 16 | 112 | 692.1% | 0.2% | 42.6% | 29.8% | 27.4% | 0.0% | 100.0% |
| Stadts parkas se Düsseldorf | 127 | 30 | 97 | 322.4% | 0.0% | 0.0% | 76.8% | 15.3% | 7.9% | 100.0% |
| UniCredit Bank | 5,718 | 3,469 | 2,249 | 64.8% | 23.2% | 23.0% | 53.1% | 0.7% | 0.0% | 91.0% |
| | | · | • | | | | | | | |
| | | | | | | | | | | |

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



Market overview: ship covered bonds

| lssuer | Cover pool | Pfandbrief volume | ос | |
|----------------------------|------------|-------------------|---------|------|
| issuer | in EURm | in EURm | in EURm | in % |
| Commerzbank AG | 136 | 109 | 27 | 24.8 |
| Hamburg Commercial Bank AG | 2,364 | 2,073 | 291 | 14.0 |

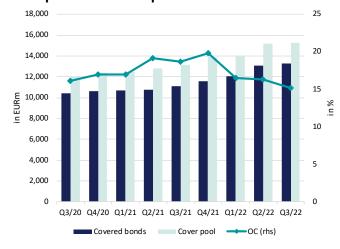


Aareal Bank Mortgage

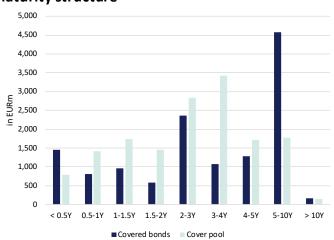
Cover pool data

| Cover pool (EURM) | 15,276.6 | Number of loans | 3,191 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 6.3% | Number of borrowers | 3,336 |
| of which commercial | 86.9% | Number of properties | 4,206 |
| of which substitution assets | 6.8% | Avg. exposure to borrowers (EUR) | 4,266,667 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 9.9% |
| Covered bonds (EURm) | 13,262.0 | Share of owner-occupied dwellings | 0.6% |
| OC (EURm) | 2,014.6 | Share of multi-familiy houses | 5.6% |
| OC | 15.2% | EUR share (Cover pool) | 72.7% |
| Fixed interest (Cover pool) | 50.7% | EUR share (Covered bonds) | 86.5% |
| Fixed interest (Covered bonds) | 76.7% | Largest FX position (NPV in EURm) | USD (1,470.5) |
| WAL (Cover pool) | 3.1y | Share of largest exposure tranche | 96.3% (> EUR 10m) |
| WAL (Covered Bonds) | 3.8y | Avg. seasoning | 4.4y |
| Avg. LTV (Original value) | 55.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | 32.6% | | |
| | | | |

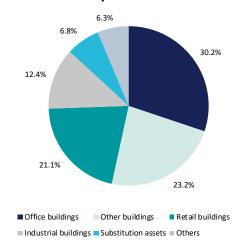
Development of cover pool data



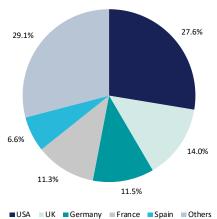
Maturity structure



Composition of cover pool



Regional distribution of properties



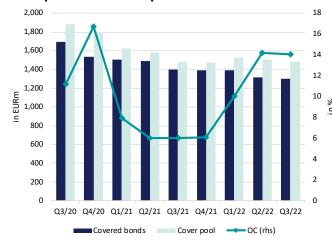


Aareal Bank Public sector

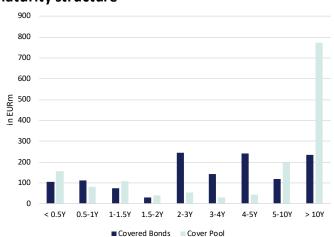
Cover pool data

| Cover pool (EURm) | 1,481.4 | Number of loans | 170 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which substitution assets | 0.0% | Number of borrowers | 96 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 76.9% |
| Covered bonds (EURm) | 1,298.8 | Avg. exposure to borrowers (EUR) | 15,431,250 |
| OC (EURm) | 182.6 | EUR share (Cover pool) | 100.0% |
| OC | 14.1% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 92.0% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 96.5% | Share of largest exposure tranche | 52.8% (> EUR 100m) |
| WAL (Cover pool) | 8.1y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.5y | | |

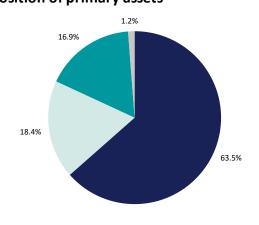
Development of cover pool data



Maturity structure

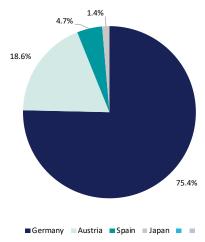


Composition of primary assets



 \blacksquare Regional authorities \blacksquare Local authorities \blacksquare Central government \blacksquare Other public debtors

Regional distribution of claims





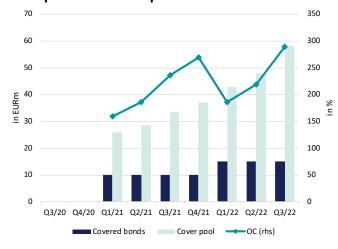
ALTE LEIPZIGER Bauspar

Mortgage

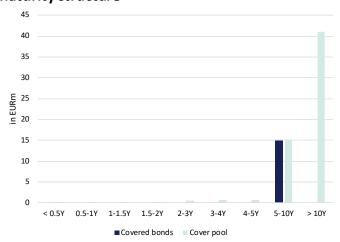
Cover pool data

| Cover pool (EURm) | 58.4 | Number of loans | n/a |
|--------------------------------|--------|-----------------------------------|--------------------|
| of which residential | 96.6% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution assets | 3.4% | 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) | 43.4 | Share of multi-familiy houses | n/a |
| OC | 289.1% | 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 | 95.1% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 2.1y |
| Avg. LTV (Original value) | 56.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

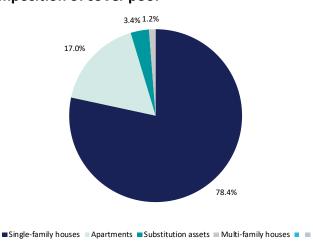
Development of cover pool data



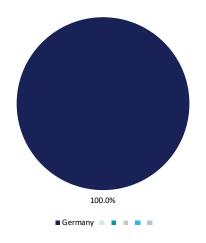
Maturity structure



Composition of cover pool



Regional distribution of properties





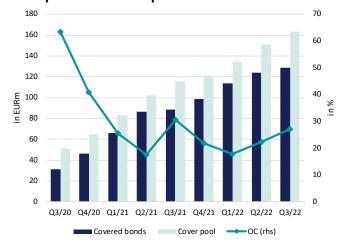
Bausparkasse Mainz

Mortgage

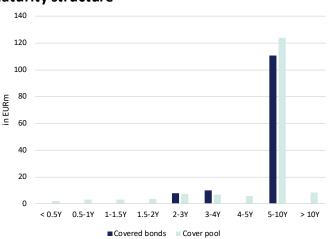
Cover pool data

| Cover pool (EURm) | 163.4 | Number of loans | n/a |
|--------------------------------|--------|-----------------------------------|--------------------|
| of which residential | 96.3% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution assets | 3.7% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 128.7 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 34.7 | Share of multi-familiy houses | n/a |
| OC | 27.0% | 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 | 98.4% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 2.2y |
| Avg. LTV (Original value) | 55.3% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

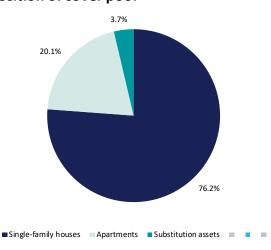
Development of cover pool data



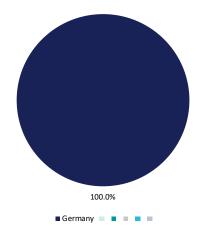
Maturity structure



Composition of cover pool



Regional distribution of properties





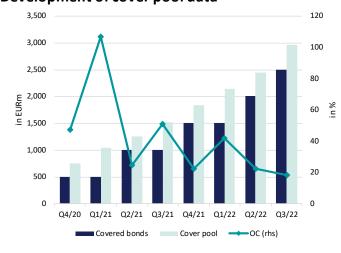
Bausparkasse Schwäbisch Hall

Mortgage

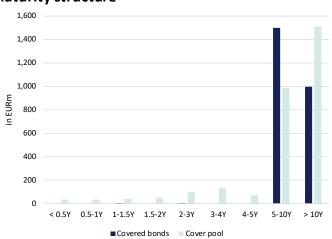
Cover pool data

| Cover pool (EURm) | 2,968.8 | Number of loans | 20,948 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 95.8% | Number of borrowers | 32,616 |
| of which commercial | 0.4% | Number of properties | 19,575 |
| of which substitution assets | 3.8% | Avg. exposure to borrowers (EUR) | 87,588 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.3% |
| Covered bonds (EURm) | 2,506.0 | Share of owner-occupied dwellings | 84.6% |
| OC (EURm) | 462.8 | Share of multi-familiy houses | 2.9% |
| OC | 18.5% | 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) | 10.6y | Share of largest exposure tranche | 88.6% (< EUR 0.3m) |
| WAL (Covered Bonds) | 9.3y | Avg. seasoning | 2.1y |
| Avg. LTV (Original value) | 50.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

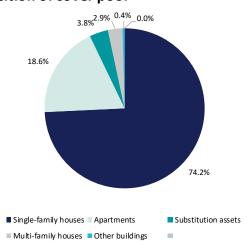
Development of cover pool data



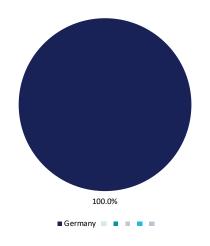
Maturity structure



Composition of cover pool



Regional distribution of properties



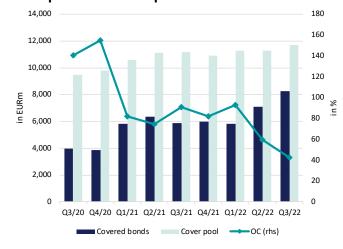


BayernLB Mortgage

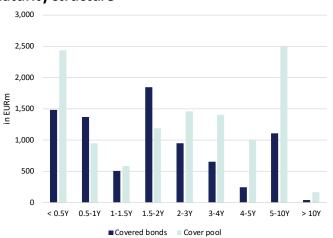
Cover pool data

| Cover pool (EURm) | 11,718.0 | Number of loans | 632 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 12.1% | Number of borrowers | 479 |
| of which commercial | 79.5% | Number of properties | 1,157 |
| of which substitution assets | 8.3% | Avg. exposure to borrowers (EUR) | 22,424,822 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 11.8% |
| Covered bonds (EURm) | 8,241.5 | Share of owner-occupied dwellings | 0.3% |
| OC (EURm) | 3,476.5 | Share of multi-familiy houses | 11.8% |
| OC | 42.2% | EUR share (Cover pool) | 90.5% |
| Fixed interest (Cover pool) | 69.9% | EUR share (Covered bonds) | 98.1% |
| Fixed interest (Covered bonds) | 49.1% | Largest FX position (NPV in EURm) | USD (767.5) |
| WAL (Cover pool) | 3.1y | Share of largest exposure tranche | 87.4% (> EUR 10m) |
| WAL (Covered Bonds) | 2.4y | Avg. seasoning | 4.6y |
| Avg. LTV (Original value) | 58.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

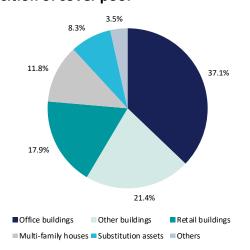
Development of cover pool data



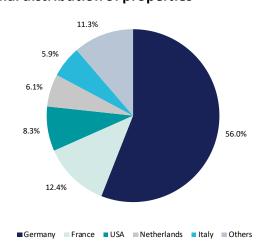
Maturity structure



Composition of cover pool



Regional distribution of properties



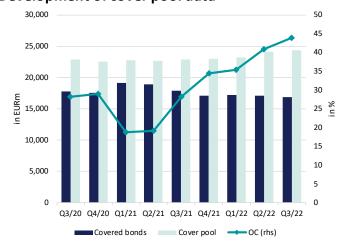


BayernLB Public sector

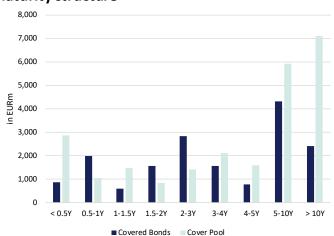
Cover pool data

| Cover pool (EURm) | 24,394.0 | Number of loans | 79,198 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which substitution assets | 1.9% | Number of borrowers | 50,968 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 20.5% |
| Covered bonds (EURm) | 16,936.6 | Avg. exposure to borrowers (EUR) | 469,324 |
| OC (EURm) | 7,457.4 | EUR share (Cover pool) | 96.4% |
| OC | 44.0% | EUR share (Covered bonds) | 97.1% |
| Fixed interest (Cover pool) | 92.7% | Largest FX position (NPV in EURm) | USD (149.3) |
| Fixed interest (Covered bonds) | 89.6% | Share of largest exposure tranche | 56.7% (> EUR 100m) |
| WAL (Cover pool) | 8.5y | Loans in arrears (>90 days) | 0.02% |
| WAL (Covered Bonds) | 5.5y | | |

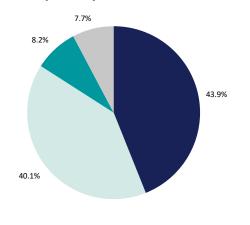
Development of cover pool data



Maturity structure

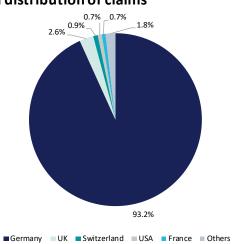


Composition of primary assets



 \blacksquare Local authorities \blacksquare Regional authorities \blacksquare Other public debtors \blacksquare Central government

Regional distribution of claims



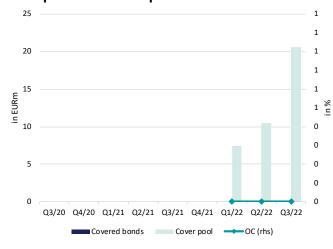


BBBank Mortgage

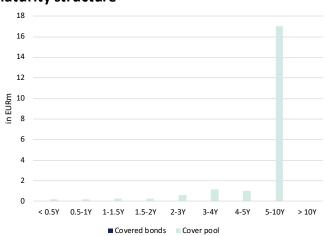
Cover pool data

| Deckungsmasse (EURm) | 20.7 | Anzahl der Kredite | 156 |
|---------------------------------------|--------|--|---------------------|
| davon wohnwirtschaftlich | 90.3% | Anzahl der Kreditnehmer | 145 |
| davon gewerblich | 0.0% | Anzahl der Objekte | 148 |
| davon Ersatzdeckung | 9.7% | Ø Darlehensbetrag pro Kreditnehmer (EUR) | 128,690 |
| davon Derivate | 0.0% | Anteil der 10 größten Kreditnehmer | 11.3% |
| Pfandbriefvolumen (EURm) | 0.0 | Anteil selbstgenutztes Wohneigentum | 68.6% |
| Überdeckung (EURm) | 20.7 | Anteil Mehrfamilienhäuser | 1.5% |
| 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) | 7.3y | Anteil der größten Forderungsklasse | 100.0% (< EUR 0.3m) |
| WAL (Pfandbriefe) | n/a | Ø Alter der Forderungen (Seasoning) | 1.6y |
| Ø LTV (Ursprungswert) | 51.5% | Rückständige Kredite (>90 Tage) | 0.00% |
| Ø LTV (Marktwert) | n/a | | |

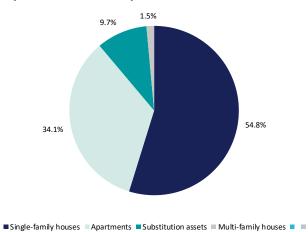
Development of cover pool data



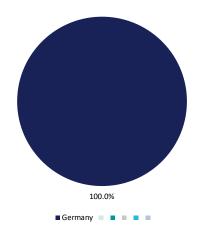
Maturity structure



Composition of cover pool



Regional distribution of properties





Berlin Hyp Mortgage

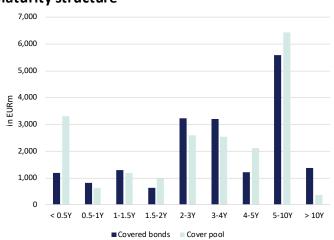
Cover pool data

| Cover pool (EURm) | 20,152.8 | Number of loans | 1,483 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 28.0% | Number of borrowers | 1,325 |
| of which commercial | 53.9% | Number of properties | 5,112 |
| of which substitution asse | ts 18.1% | Avg. exposure to borrowers (EUR) | 12,460,655 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 17.0% |
| Covered bonds (EURm) | 18,533.1 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 1,619.7 | Share of multi-familiy houses | 27.1% |
| OC | 8.7% | EUR share (Cover pool) | 99.7% |
| Fixed interest (Cover pool) | 77.1% | EUR share (Covered bonds) | 98.9% |
| Fixed interest (Covered bonds) | 84.5% | Largest FX position (NPV in EURm) | CHF (-217.8) |
| WAL (Cover pool) | 3.9y | Share of largest exposure tranche | 85.7% (> EUR 10m) |
| WAL (Covered Bonds) | 5.1y | Avg. seasoning | 4.2y |
| Avg. LTV (Original value) | 57.3% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

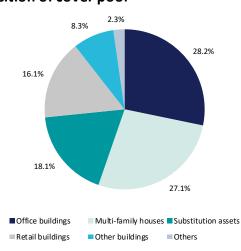
Development of cover pool data



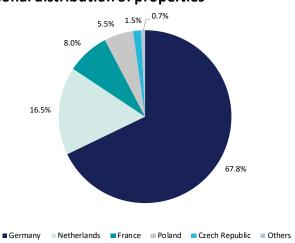
Maturity structure



Composition of cover pool



Regional distribution of properties





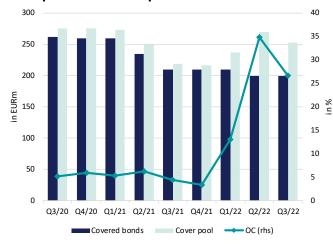
Berlin Hyp Public sector

Cover pool data

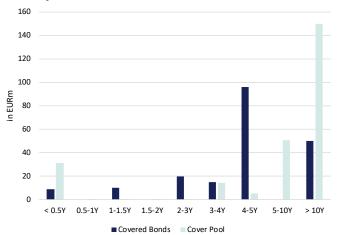
Cover pool (EURm)
of which substitution assets
of which derivatives
Covered bonds (EURm)
OC (EURm)
OC
Fixed interest (Cover pool)
Fixed interest (Covered bonds)
WAL (Cover pool)
WAL (Covered Bonds)

| 253.4 | Number of loans | 35 |
|--------|-----------------------------------|---------------------|
| 12.2% | Number of borrowers | 37 |
| 0.0% | Share of 10 largest borrowers | 82.2% |
| 200.0 | Avg. exposure to borrowers (EUR) | 6,015,873 |
| 53.3 | EUR share (Cover pool) | 100.0% |
| 26.7% | EUR share (Covered bonds) | 100.0% |
| 100.0% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 94.8% (EUR 10-100m) |
| 10.2y | Loans in arrears (>90 days) | 0.00% |
| 5.8y | | |

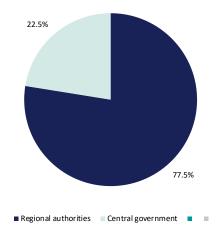
Development of cover pool data



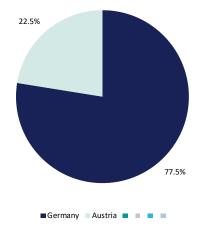
Maturity structure



Composition of primary assets



Regional distribution of claims





Commerzbank Mortgage

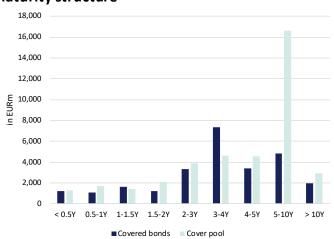
Cover pool data

| Cover pool (EURm) | 38,957.6 | Number of loans 29 | |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 95.5% | Number of borrowers | 228,554 |
| of which commercial | 2.2% | Number of properties | 256,438 |
| of which substitution assets | 2.3% | Avg. exposure to borrowers (EUR) | 166,473 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 1.5% |
| Covered bonds (EURm) | 25,977.6 | Share of owner-occupied dwellings | 16.3% |
| OC (EURm) | 12,980.1 | Share of multi-familiy houses | 10.4% |
| OC | 50.0% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 98.4% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 73.1% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.6y | Share of largest exposure tranche | 75.5% (< EUR 0.3m) |
| WAL (Covered Bonds) | 4.6y | Avg. seasoning | 5.0y |
| Avg. LTV (Original value) | 51.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

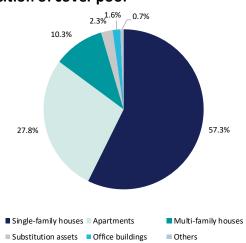
Development of cover pool data



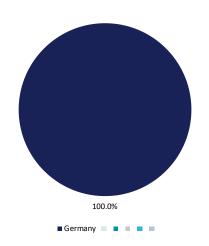
Maturity structure



Composition of cover pool



Regional distribution of properties





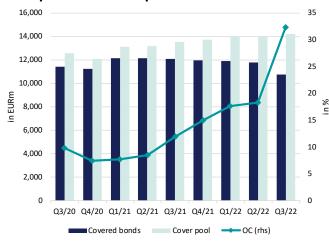
Commerzbank

Public sector

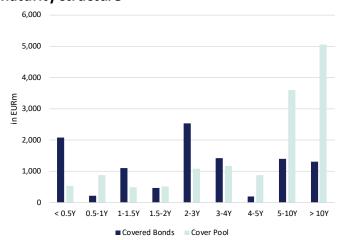
Cover pool data

| Cover pool (EURm) | 14,238.7 | Number of loans | 1,358 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which substitution assets | 0.0% | Number of borrowers | 701 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 26.7% |
| Covered bonds (EURm) | 10,752.5 | Avg. exposure to borrowers (EUR) | 20,311,917 |
| OC (EURm) | 3,486.2 | EUR share (Cover pool) | 74.9% |
| OC | 32.4% | EUR share (Covered bonds) | 97.3% |
| Fixed interest (Cover pool) | 72.6% | Largest FX position (NPV in EURm) | USD (1,395.5) |
| Fixed interest (Covered bonds) | 41.0% | Share of largest exposure tranche | 59.7% (> EUR 100m) |
| WAL (Cover pool) | 10.3y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.1y | | |

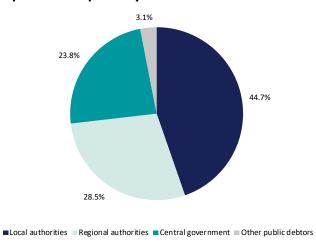
Development of cover pool data



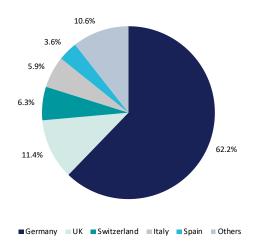
Maturity structure



Composition of primary assets



Regional distribution of claims





0

0

n/a

n/a

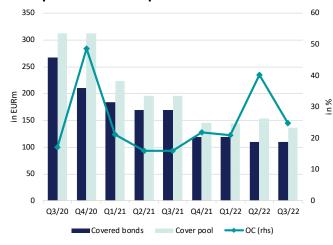
Commerzbank Ship

Cover pool data

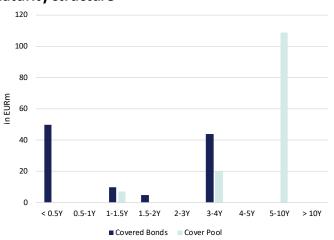
| Cover pool (EURm) | 136.0 | Number of loans |
|--------------------------------|--------|-----------------------------------|
| of which substitution assets | 100.0% | Number of borrowers |
| of which derivatives | 0.0% | Avg. exposure to borrowers (EUR) |
| Covered bonds (EURm) | 109.0 | Largest FX position (NPV in EURm) |
| OC (EURm) | 27.0 | Share of largest exposure tranche |
| OC | 24.8% | Loans in arrears (>90 days) |
| Fixed interest (Cover pool) | 100.0% | |
| Fixed interest (Covered bonds) | 100.0% | |
| WAL (Cover pool) | 06y | |
| WAL (Covered Bonds) | 01y | |

ns in arrears (>90 days) 0.00%

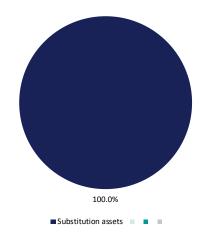
Development of cover pool data



Maturity structure



Composition of cover pool



Regional distribution of primary assets

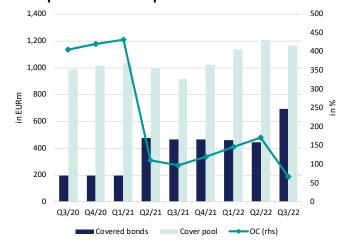


DekaBank Mortgage

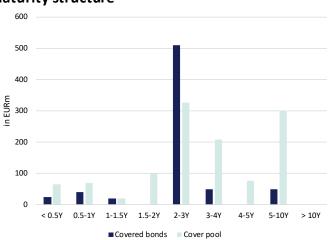
Cover pool data

| Cover pool (EURm) | 1,163./ | Number of loans | 27 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 0.0% | Number of borrowers | 30 |
| of which commercial | 95.3% | Number of properties | 41 |
| of which substitution assets | 4.7% | Avg. exposure to borrowers (EUR) | 36,982,167 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 49.8% |
| Covered bonds (EURm) | 695.0 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 468.7 | Share of multi-familiy houses | 0.0% |
| OC | 67.4% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 69.7% | 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 | 1.9y |
| Avg. LTV (Original value) | 59.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

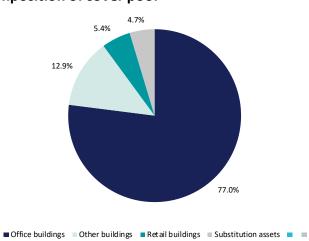
Development of cover pool data



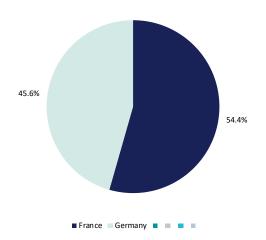
Maturity structure



Composition of cover pool



Regional distribution of properties



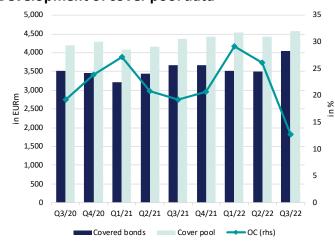


Public sector DekaBank

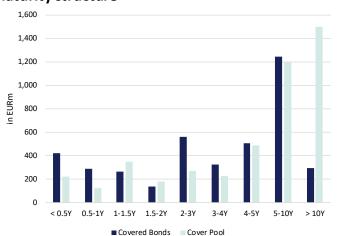
Cover pool data

| Cover pool (EURm) | 4,574.5 | Number of loans | 294 |
|--------------------------------|---------|-----------------------------------|---------------------|
| of which substitution assets | 0.6% | Number of borrowers | 95 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 34.4% |
| Covered bonds (EURm) | 4,055.3 | Avg. exposure to borrowers (EUR) | 47,844,989 |
| OC (EURm) | 519.2 | EUR share (Cover pool) | 97.7% |
| OC | 12.8% | EUR share (Covered bonds) | 98.7% |
| Fixed interest (Cover pool) | 81.8% | Largest FX position (NPV in EURm) | USD (63.7) |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche | 59.9% (EUR 10-100m) |
| WAL (Cover pool) | 6.0y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.8y | | |

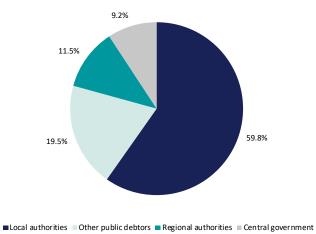
Development of cover pool data



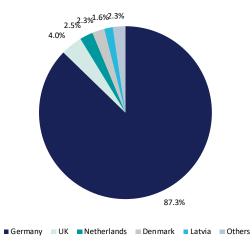
Maturity structure



Composition of primary assets



Regional distribution of claims





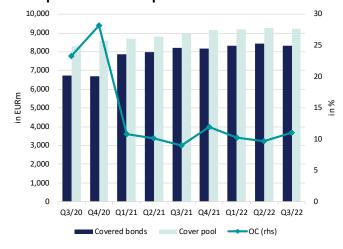
Deutsche Apotheker- und Ärztebank

Mortgage

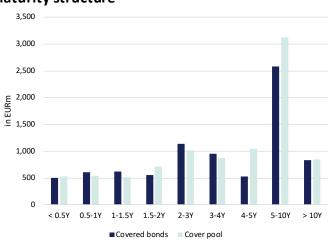
Cover pool data

| Cover pool (EURm) | 9,214.3 | Number of loans | 83,564 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 75.9% | Number of borrowers | 46,284 |
| of which commercial | 17.8% | Number of properties | 61,687 |
| of which substitution assets | 6.3% | Avg. exposure to borrowers (EUR) | 186,550 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 5.2% |
| Covered bonds (EURm) | 8,304.1 | Share of owner-occupied dwellings | 53.6% |
| OC (EURm) | 910.2 | Share of multi-familiy houses | 9.0% |
| OC | 11.0% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 92.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 58.3% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 5.1y | Share of largest exposure tranche | 71.4% (< EUR 0.3m) |
| WAL (Covered Bonds) | 5.5y | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 54.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

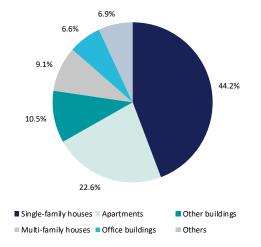
Development of cover pool data



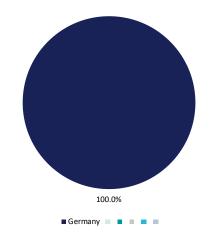
Maturity structure



Composition of cover pool



Regional distribution of properties





Deutsche Bank Mortgage

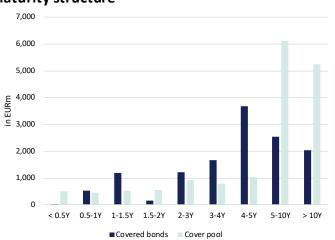
Cover pool data

| Cover pool (EURm) | 16,082.8 | Number of loans | n/a |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 89.5% | Number of borrowers | n/a |
| of which commercial | 6.4% | Number of properties | n/a |
| of which substitution assets | 4.1% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 13,007.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 3,075.8 | Share of multi-familiy houses | n/a |
| OC | 23.7% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 99.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 75.4% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 79.9% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.4y |
| Avg. LTV (Original value) | 0.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

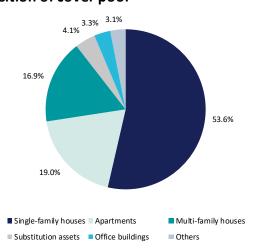
Development of cover pool data



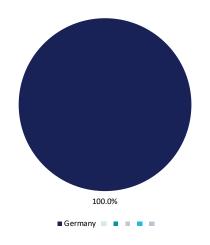
Maturity structure



Composition of cover pool



Regional distribution of properties



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



Deutsche Bank

Public sector

0.00%

Cover pool data

| Cover pool (EURm) | |
|--------------------------------|--|
| of which substitution assets | |
| of which derivatives | |
| Covered bonds (EURm) | |
| OC (EURm) | |
| OC | |
| Fixed interest (Cover pool) | |
| Fixed interest (Covered bonds) | |
| WAL (Cover pool) | |
| WAL (Covered Bonds) | |

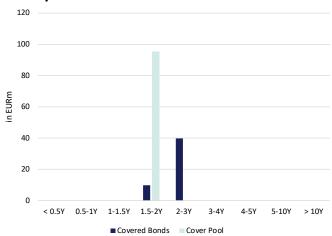
160.5 Number of loans n/a Number of borrowers 0.0% n/a 0.0% Share of 10 largest borrowers n/a 90.0 Avg. exposure to borrowers (EUR) n/a 70.5 EUR share (Cover pool) n/a 78.3% EUR share (Covered bonds) n/a 100.0% Largest FX position (NPV in EURm)

100.0% Share of largest exposure tranche 100.0% (EUR 10-100m) n/a Loans in arrears (>90 days) n/a

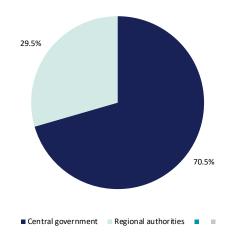
Development of cover pool data



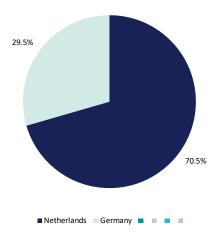
Maturity structure



Composition of primary assets



Regional distribution of claims



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



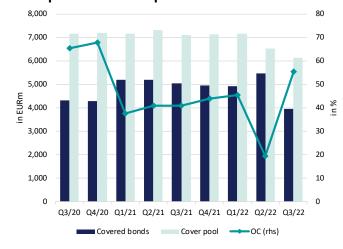
Deutsche Kreditbank

Mortgage

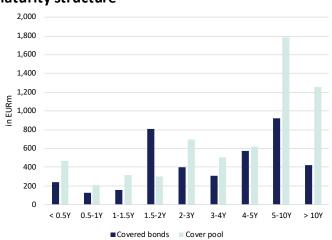
Cover pool data

| Cover pool (EURm) | 6,156.5 | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 92.7% | Number of borrowers | n/a |
| of which commercial | 2.0% | Number of properties | n/a |
| of which substitution assets | 5.4% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 3,959.5 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,197.0 | Share of multi-familiy houses | n/a |
| OC | 55.5% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 94.9% | 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 | 42.7% (EUR 1-10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 9.3y |
| Avg. LTV (Original value) | 50.8% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

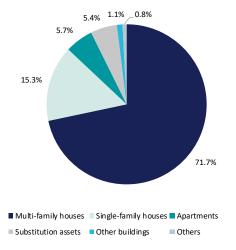
Development of cover pool data



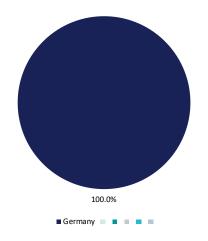
Maturity structure



Composition of cover pool



Regional distribution of properties





Deutsche Kreditbank

Public sector

Cover pool data

| Cover pool (EURm) | 7,723.5 | Number of loans |
|--------------------------------|---------|-----------------------------------|
| of which substitution assets | 0.0% | Number of borrowers |
| of which derivatives | 0.0% | Share of 10 largest borrowers |
| Covered bonds (EURm) | 4,544.8 | Avg. exposure to borrowers (EUR) |
| OC (EURm) | 3,178.7 | EUR share (Cover pool) |
| OC | 69.9% | EUR share (Covered bonds) |
| Fixed interest (Cover pool) | 97.1% | Largest FX position (NPV in EURm) |
| Fixed interest (Covered bonds) | 94.5% | Share of largest exposure tranche |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) |
| WAL (Covered Bonds) | n/a | |

48.3% (EUR 10-100m)

n/a n/a

n/a

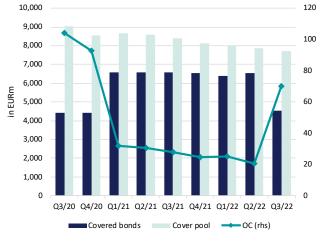
n/a

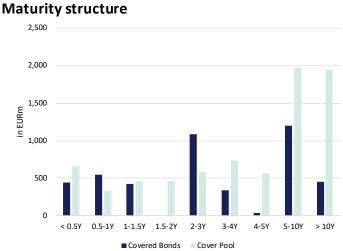
n/a

n/a

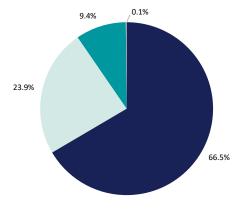
0.00%

Development of cover pool data 10,000



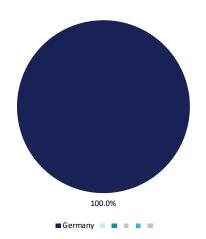


Composition of primary assets



■Local authorities ■ Other public debtors ■ Regional authorities ■ Central government

Regional distribution of claims





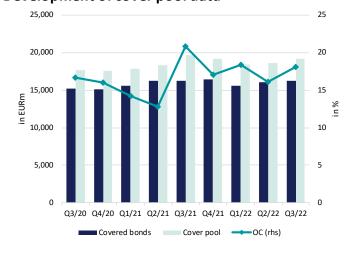
Deutsche Pfandbriefbank

Mortgage

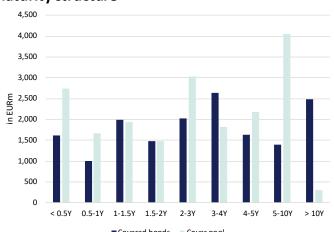
Cover pool data

| Cover pool (EURm) 19,18 | | Number of loans | 1,555 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 15.9% | Number of borrowers | 775 |
| of which commercial | 80.7% | Number of properties | 3,025 |
| of which substitution assets | 3.4% | Avg. exposure to borrowers (EUR) | 23,903,226 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 7.8% |
| Covered bonds (EURm) | 16,242.0 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 2,938.0 | Share of multi-familiy houses | 13.6% |
| OC | 18.1% | EUR share (Cover pool) | 69.7% |
| Fixed interest (Cover pool) | 53.8% | EUR share (Covered bonds) | 76.6% |
| Fixed interest (Covered bonds) | 86.9% | Largest FX position (NPV in EURm) | USD (1,654.0) |
| WAL (Cover pool) | 3.6y | Share of largest exposure tranche | 92.9% (> EUR 10m) |
| WAL (Covered Bonds) | 5.3y | Avg. seasoning | 3.5v |
| Avg. LTV (Original value) | 55.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | 32.1% | | 0.0070 |

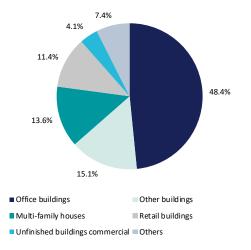
Development of cover pool data



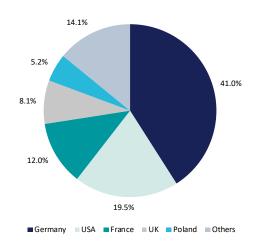
Maturity structure



Composition of cover pool



Regional distribution of properties





Deutsche Pfandbriefbank

Public sector

64.6% (> EUR 100m)

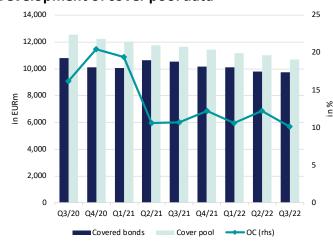
485 205 58.2% 52,229,268 93.0% 99.3% USD (315.0)

0.00%

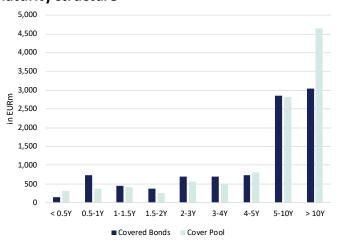
Cover pool data

| - | | |
|--------------------------------|----------|-----------------------------------|
| Cover pool (EURm) | 10,708.0 | Number of loans |
| of which substitution assets | 0.0% | Number of borrowers |
| of which derivatives | 0.0% | Share of 10 largest borrowers |
| Covered bonds (EURm) | 9,717.0 | Avg. exposure to borrowers (EUR) |
| OC (EURm) | 991.0 | EUR share (Cover pool) |
| OC | 10.2% | EUR share (Covered bonds) |
| Fixed interest (Cover pool) | 73.1% | Largest FX position (NPV in EURm) |
| Fixed interest (Covered bonds) | 71.0% | Share of largest exposure tranche |
| WAL (Cover pool) | 8.6y | Loans in arrears (>90 days) |
| WAL (Covered Bonds) | 6.8y | . , , |
| | | |

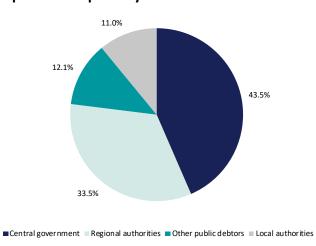
Development of cover pool data



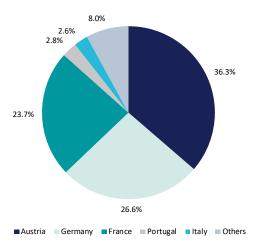
Maturity structure



Composition of primary assets



Regional distribution of claims



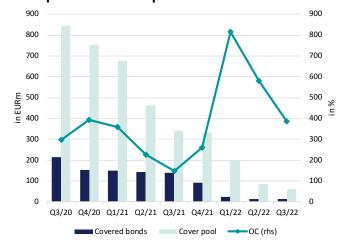


DSK Hyp Mortgage

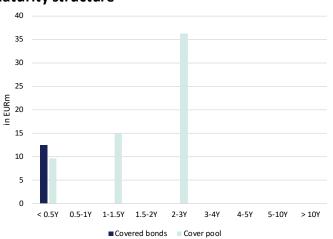
Cover pool data

| Cover pool (EURm) | 60.9 | Number of loans | 2 |
|--------------------------------|--------|-----------------------------------|-------------------|
| of which residential | 0.0% | Number of borrowers | 2 |
| of which commercial | 59.0% | Number of properties | 2 |
| of which substitution assets | 41.0% | Avg. exposure to borrowers (EUR) | 17,970,000 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 82.7% |
| Covered bonds (EURm) | 12.5 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 48.4 | Share of multi-familiy houses | 0.0% |
| OC | 387.5% | EUR share (Cover pool) | 99.9% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 40.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 1.7y | Share of largest exposure tranche | 73.3% (> EUR 10m) |
| WAL (Covered Bonds) | 0.2y | Avg. seasoning | 7.5y |
| Avg. LTV (Original value) | 60.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

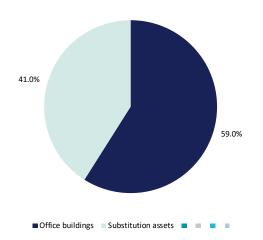
Development of cover pool data



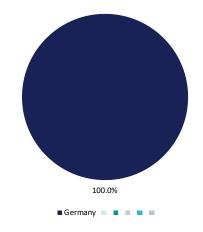
Maturity structure



Composition of cover pool



Regional distribution of properties



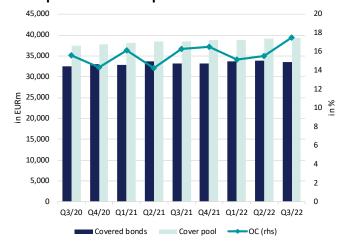


DZ HYP Mortgage

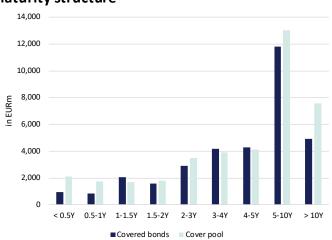
Cover pool data

| Cover pool (EURm) | 39,387.8 | Number of loans | 109,422 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 55.6% | Number of borrowers | 94,731 |
| of which commercial | 42.0% | Number of properties | n/a |
| of which substitution assets | 2.4% | Avg. exposure to borrowers (EUR) | 405,778 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 33,515.3 | Share of owner-occupied dwellings | 22.5% |
| OC (EURm) | 5,872.5 | Share of multi-familiy houses | 31.5% |
| OC | 17.5% | EUR share (Cover pool) | 99.2% |
| Fixed interest (Cover pool) | 89.8% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.5% | Largest FX position (NPV in EURm) | GBP (213.8) |
| WAL (Cover pool) | 6.6y | Share of largest exposure tranche | 40.8% (> EUR 10m) |
| WAL (Covered Bonds) | 6.4y | Avg. seasoning | 5.1y |
| Avg. LTV (Original value) | 54.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

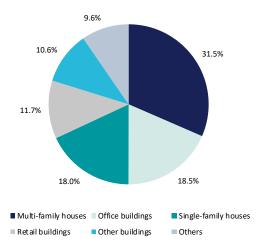
Development of cover pool data



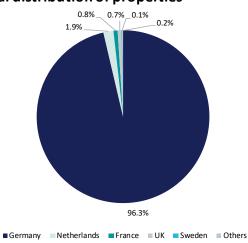
Maturity structure



Composition of cover pool



Regional distribution of properties



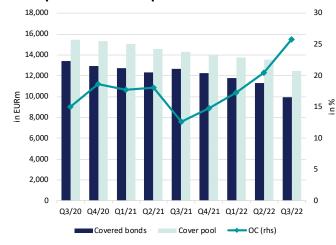


DZ HYP Public sector

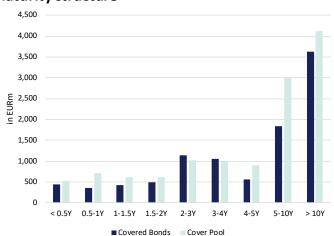
Cover pool data

| Cover pool (EURm) | 12,467.8 | Number of loans | 17,033 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which substitution assets | 0.0% | Number of borrowers | 4,999 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 16.8% |
| Covered bonds (EURm) | 9,910.1 | Avg. exposure to borrowers (EUR) | 2,494,066 |
| OC (EURm) | 2,557.8 | EUR share (Cover pool) | 94.7% |
| OC | 25.8% | EUR share (Covered bonds) | 94.7% |
| Fixed interest (Cover pool) | 97.9% | Largest FX position (NPV in EURm) | CHF (52.9) |
| Fixed interest (Covered bonds) | 93.3% | Share of largest exposure tranche | 45.9% (< EUR 10m) |
| WAL (Cover pool) | 7.8y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 7.7y | | |

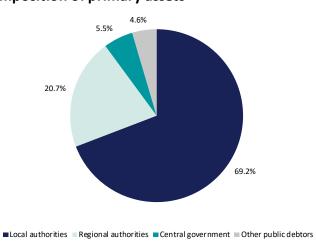
Development of cover pool data



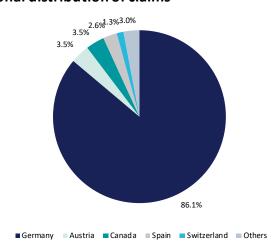
Maturity structure



Composition of primary assets



Regional distribution of claims





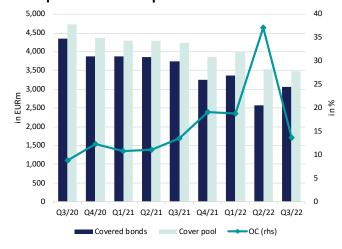
Hamburg Commercial Bank

Mortgage

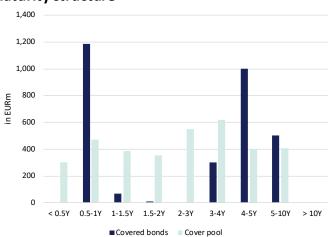
Cover pool data

| Cover pool (EURm) | 3,488.2 | Number of loans | 391 |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 16.3% | Number of borrowers | 232 |
| of which commercial | 79.7% | Number of properties | 729 |
| of which substitution assets | 4.0% | Avg. exposure to borrowers (EUR) | 14,433,874 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 27.6% |
| Covered bonds (EURm) | 3,066.8 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 421.4 | Share of multi-familiy houses | 15.6% |
| OC | 13.7% | EUR share (Cover pool) | 99.9% |
| Fixed interest (Cover pool) | 58.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 90.2% | Largest FX position (NPV in EURm) | SEK (2.6) |
| WAL (Cover pool) | 2.7y | Share of largest exposure tranche | 78.9% (> EUR 10m) |
| WAL (Covered Bonds) | 3.1y | Avg. seasoning | 5.1y |
| Avg. LTV (Original value) | 56.9% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

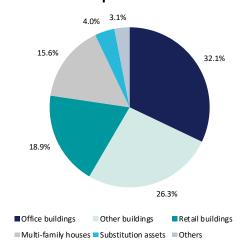
Development of cover pool data



Maturity structure



Composition of cover pool



Regional distribution of properties

8.0%

92.0% ■Germany Netherlands ■Sweden ■ ■

0.1%



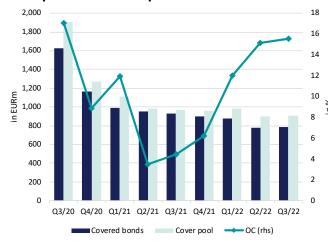
Hamburg Commercial Bank

Public sector

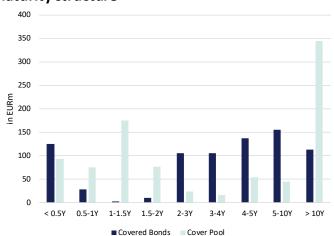
Cover pool data

| Cover pool (EURm) 905.3 | . Number of loans | 62 |
|--------------------------------------|-----------------------------------|--------------------|
| of which substitution assets 0.09 | Number of borrowers | 38 |
| of which derivatives 0.0% | Share of 10 largest borrowers | 85.2% |
| Covered bonds (EURm) 783.2 | Avg. exposure to borrowers (EUR) | 23,818,450 |
| OC (EURm) 121.9 | EUR share (Cover pool) | 87.9% |
| OC 15.69 | EUR share (Covered bonds) | 99.9% |
| Fixed interest (Cover pool) 91.89 | Largest FX position (NPV in EURm) | CHF (111.4) |
| Fixed interest (Covered bonds) 92.39 | Share of largest exposure tranche | 58.5% (> EUR 100m) |
| WAL (Cover pool) 7.0 | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) 5.0 | , | |

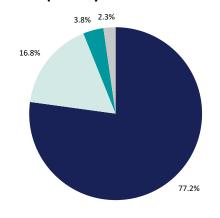
Development of cover pool data



Maturity structure

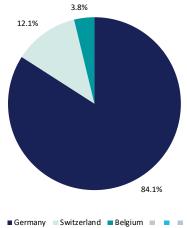


Composition of primary assets



 \blacksquare Regional authorities \blacksquare Local authorities \blacksquare Central government \blacksquare Other public debtors

Regional distribution of claims





Hamburg Commercial Bank

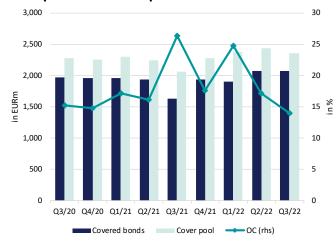
Ship

Cover pool data

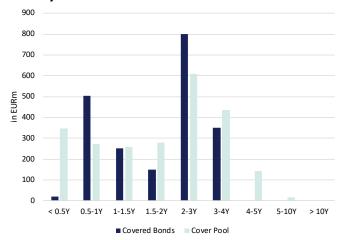
| Cover pool (EURm) | 2,363.6 |
|--------------------------------|---------|
| of which substitution assets | 3.1% |
| of which derivatives | 0.0% |
| Covered bonds (EURm) | 2,073.0 |
| OC (EURm) | 290.6 |
| OC | 14.0% |
| Fixed interest (Cover pool) | 37.3% |
| Fixed interest (Covered bonds) | 6.3% |
| WAL (Cover pool) | n/a |
| WAL (Covered Bonds) | n/a |

| 6 | Number of loans | #NV |
|---|-----------------------------------|------------------|
| % | Number of borrowers | #NV |
| % | Avg. exposure to borrowers (EUR) | n/a |
| 0 | Largest FX position (NPV in EURm) | USD (2,290.7) |
| 6 | Share of largest exposure tranche | 87.8% (> EUR 5m) |
| % | Loans in arrears (>90 days) | 0.00% |

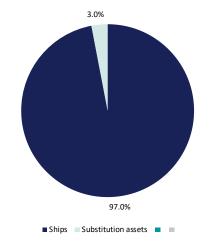
Development of cover pool data



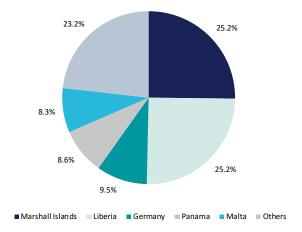
Maturity structure



Composition of cover pool



Regional distribution of primary assets





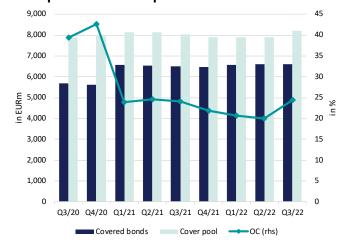
Hamburger Sparkasse

Mortgage

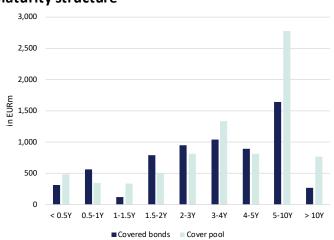
Cover pool data

| Cover pool (EURm) | 8,207.0 | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 62.7% | Number of borrowers | n/a |
| of which commercial | 26.9% | Number of properties | n/a |
| of which substitution assets | 10.4% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 6,593.9 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 1,613.1 | Share of multi-familiy houses | n/a |
| OC | 24.5% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 81.3% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 99.4% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 31.9% (EUR 1-10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 7.5y |
| Avg. LTV (Original value) | 51.9% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

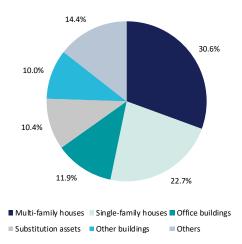
Development of cover pool data



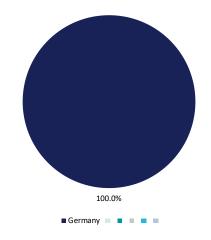
Maturity structure



Composition of cover pool



Regional distribution of properties





ING-DiBa Mortgage

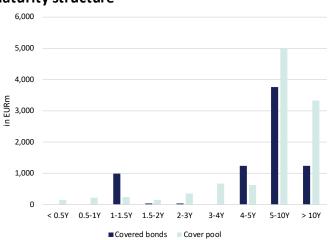
Cover pool data

| Cover pool (EURm) | 10,775.2 | Number of loans | 88,467 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 100.0% | Number of borrowers | 87,086 |
| of which commercial | 0.0% | Number of properties | 88,467 |
| of which substitution assets | 4.8% | Avg. exposure to borrowers (EUR) | 123,730 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.2% |
| Covered bonds (EURm) | 7,355.0 | Share of owner-occupied dwellings | 81.7% |
| OC (EURm) | 3,420.2 | Share of multi-familiy houses | 0.0% |
| OC | 46.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 100.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 99.3% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 8.4y | Share of largest exposure tranche | 88.3% (< EUR 0.3m) |
| WAL (Covered Bonds) | 6.8y | Avg. seasoning | 4.8v |
| Avg. LTV (Original value) | 54.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

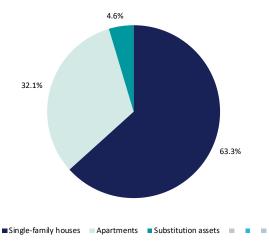
Development of cover pool data



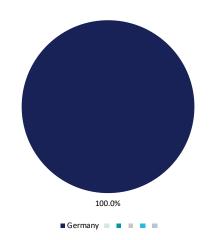
Maturity structure



Composition of cover pool



Regional distribution of properties





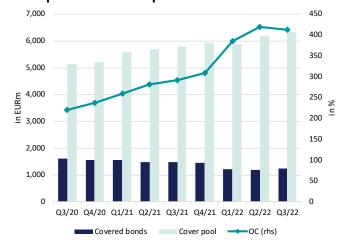
Kreissparkasse Köln

Mortgage

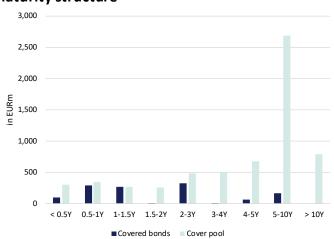
Cover pool data

| Cover pool (EURm) | 6,333.4 | Number of loans | 46,224 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 83.4% | Number of borrowers | 36,922 |
| of which commercial | 11.8% | Number of properties | 43,309 |
| of which substitution assets | 4.8% | Avg. exposure to borrowers (EUR) | 163,354 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 1.9% |
| Covered bonds (EURm) | 1,235.5 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 5,097.9 | Share of multi-familiy houses | 24.0% |
| OC | 412.6% | 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 | 66.5% (< EUR 0.3m) |
| WAL (Covered Bonds) | 2.4y | Avg. seasoning | 5.2y |
| Avg. LTV (Original value) | 53.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

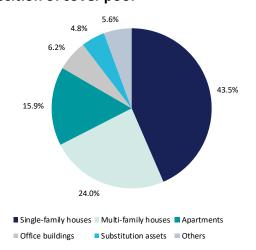
Development of cover pool data



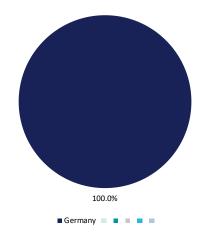
Maturity structure



Composition of cover pool



$\label{lem:Regional} \textbf{Regional distribution of properties}$





Kreissparkasse Köln

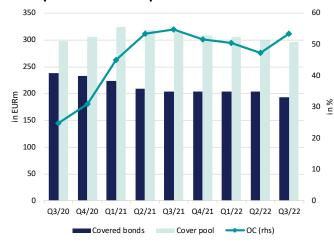
Public sector

Cover pool data

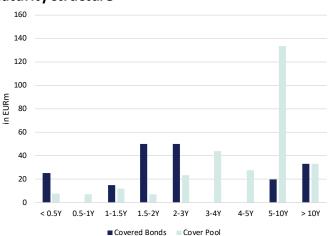
| Cover pool (EURm) |
|--------------------------------|
| of which substitution assets |
| of which derivatives |
| Covered bonds (EURm) |
| OC (EURm) |
| OC |
| Fixed interest (Cover pool) |
| Fixed interest (Covered bonds) |
| WAL (Cover pool) |
| WAL (Covered Bonds) |

| 297.0 | Number of loans | 143 |
|--------|-----------------------------------|---------------------|
| 0.0% | Number of borrowers | 47 |
| 0.0% | Share of 10 largest borrowers | 72.9% |
| 193.4 | Avg. exposure to borrowers (EUR) | 6,318,419 |
| 103.5 | EUR share (Cover pool) | n/a |
| 53.5% | EUR share (Covered bonds) | n/a |
| 100.0% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 61.9% (EUR 10-100m) |
| 5.3y | Loans in arrears (>90 days) | 0.00% |
| 3.9y | | |

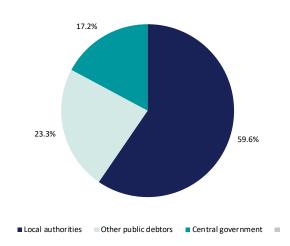
Development of cover pool data



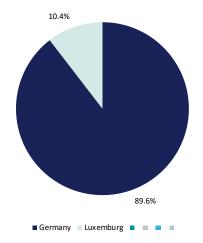
Maturity structure



Composition of primary assets



Regional distribution of claims





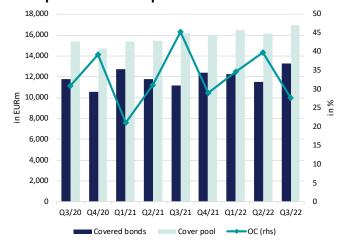
Landesbank Baden-Württemberg

Mortgage

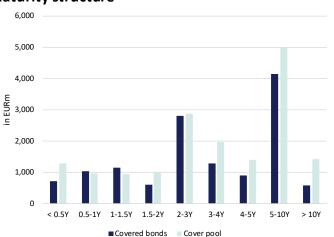
Cover pool data

| Cover pool (EURm) | 16,923.9 | Number of loans | 36,042 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 40.4% | Number of borrowers | 27,319 |
| of which commercial | 54.6% | Number of properties | 33,772 |
| of which substitution assets | 5.0% | Avg. exposure to borrowers (EUR) | 588,790 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 13.8% |
| Covered bonds (EURm) | 13,259.0 | Share of owner-occupied dwellings | 16.1% |
| OC (EURm) | 3,664.9 | Share of multi-familiy houses | 23.4% |
| OC | 27.6% | EUR share (Cover pool) | 85.4% |
| Fixed interest (Cover pool) | 80.6% | EUR share (Covered bonds) | 94.2% |
| Fixed interest (Covered bonds) | 65.5% | Largest FX position (NPV in EURm) | GBP (779.9) |
| WAL (Cover pool) | 4.6y | Share of largest exposure tranche | 59.5% (> EUR 10m) |
| WAL (Covered Bonds) | 4.1y | Avg. seasoning | 5.6y |
| Avg. LTV (Original value) | 55.5% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

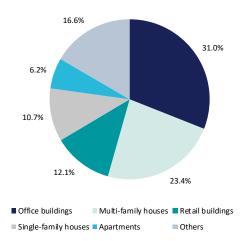
Development of cover pool data



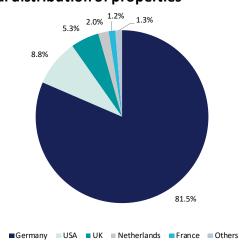
Maturity structure



Composition of cover pool



Regional distribution of properties





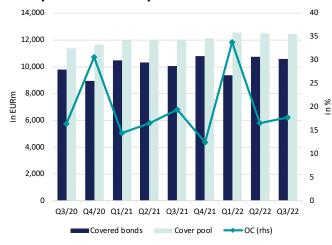
Landesbank Baden-Württemberg

Public sector

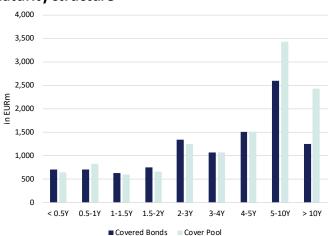
Cover pool data

| Cover pool (EURm) | 12,460.8 | Number of loans | 7,329 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which substitution assets | 0.0% | Number of borrowers | 2,869 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 22.5% |
| Covered bonds (EURm) | 10,576.6 | Avg. exposure to borrowers (EUR) | 4,343,249 |
| OC (EURm) | 1,884.1 | EUR share (Cover pool) | 97.4% |
| OC | 17.8% | EUR share (Covered bonds) | 98.8% |
| Fixed interest (Cover pool) | 74.0% | Largest FX position (NPV in EURm) | USD (204.5) |
| Fixed interest (Covered bonds) | 61.8% | Share of largest exposure tranche | 50.4% (> EUR 100m) |
| WAL (Cover pool) | 6.1y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.8y | | |

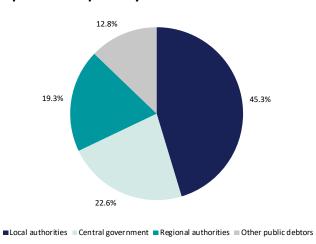
Development of cover pool data



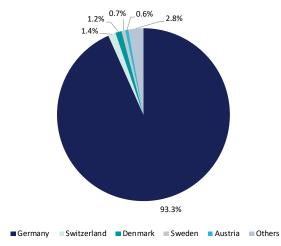
Maturity structure



Composition of primary assets



Regional distribution of claims





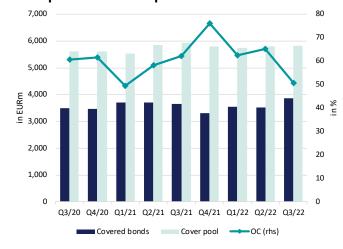
Landesbank Berlin

Mortgage

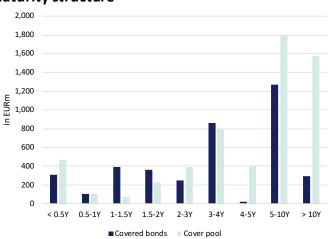
Cover pool data

| Cover pool (EURm) | 5,824.2 | Number of loans | 8,121 |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 68.5% | Number of borrowers | 7,330 |
| of which commercial | 27.3% | Number of properties | 8,457 |
| of which substitution assets | 4.2% | Avg. exposure to borrowers (EUR) | 761,093 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 26.1% |
| Covered bonds (EURm) | 3,863.0 | Share of owner-occupied dwellings | 4.3% |
| OC (EURm) | 1,961.2 | Share of multi-familiy houses | 55.5% |
| OC | 50.8% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 90.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 97.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 10.7y | Share of largest exposure tranche | 57.6% (> EUR 10m) |
| WAL (Covered Bonds) | 4.7y | Avg. seasoning | 5.0y |
| Avg. LTV (Original value) | 55.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

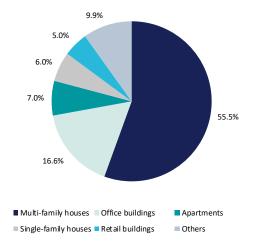
Development of cover pool data



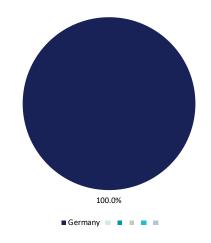
Maturity structure



Composition of cover pool



Regional distribution of properties





Landesbank Berlin

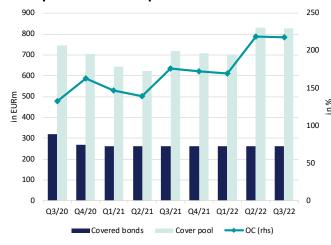
Public sector

Cover pool data

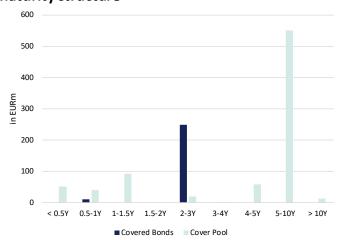
| Cover pool (EURm) |
|--------------------------------|
| of which substitution assets |
| of which derivatives |
| Covered bonds (EURm) |
| OC (EURm) |
| OC |
| Fixed interest (Cover pool) |
| Fixed interest (Covered bonds) |
| WAL (Cover pool) |
| WAL (Covered Bonds) |

| 825.8 | Number of loans | 33 |
|--------|-----------------------------------|--------------------|
| 0.0% | Number of borrowers | 16 |
| 0.0% | Share of 10 largest borrowers | 98.2% |
| 260.0 | Avg. exposure to borrowers (EUR) | 51,610,563 |
| 565.8 | EUR share (Cover pool) | 100.0% |
| 217.6% | EUR share (Covered bonds) | 100.0% |
| 100.0% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 88.6% (> EUR 100m) |
| 5.9y | Loans in arrears (>90 days) | 0.00% |
| 2.7y | | |

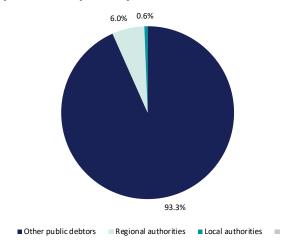
Development of cover pool data



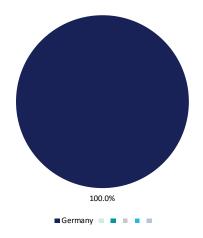
Maturity structure



Composition of primary assets



Regional distribution of claims





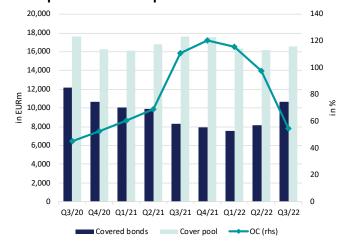
Landesbank Hessen-Thüringen

Mortgage

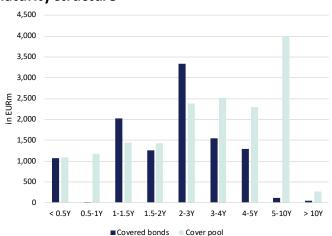
Cover pool data

| Cover pool (EURm) | 16,545.1 | Number of loans | 9,809 |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 31.0% | Number of borrowers | 8,537 |
| of which commercial | 67.6% | Number of properties | 10,474 |
| of which substitution assets | 1.4% | Avg. exposure to borrowers (EUR) | 1,910,703 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 9.5% |
| Covered bonds (EURm) | 10,678.7 | Share of owner-occupied dwellings | 6.7% |
| OC (EURm) | 5,866.5 | Share of multi-familiy houses | 24.6% |
| OC | 54.9% | EUR share (Cover pool) | 73.8% |
| Fixed interest (Cover pool) | 61.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 77.0% | Largest FX position (NPV in EURm) | USD (3,301.9) |
| WAL (Cover pool) | 3.7y | Share of largest exposure tranche | 86.8% (> EUR 10m) |
| WAL (Covered Bonds) | 2.7y | Avg. seasoning | 4.7y |
| Avg. LTV (Original value) | 59.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

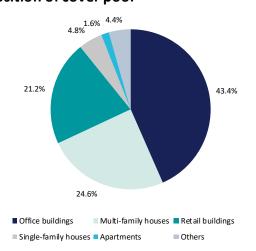
Development of cover pool data



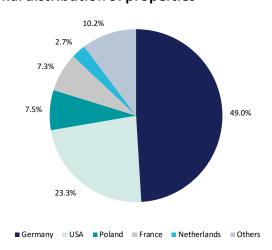
Maturity structure



Composition of cover pool



Regional distribution of properties





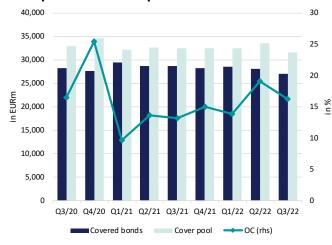
Landesbank Hessen-Thüringen

Public sector

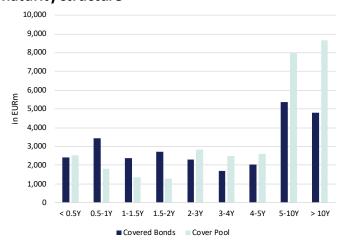
Cover pool data

| Cover pool (EURm) | 31,548.6 | Number of loans | 19,810 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which substitution assets | 1.3% | Number of borrowers | 4,668 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 29.5% |
| Covered bonds (EURm) | 27,145.0 | Avg. exposure to borrowers (EUR) | 6,671,122 |
| OC (EURm) | 4,403.6 | EUR share (Cover pool) | 97.3% |
| OC | 16.2% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 94.2% | Largest FX position (NPV in EURm) | JPY (573.2) |
| Fixed interest (Covered bonds) | 70.4% | Share of largest exposure tranche | 61.6% (> EUR 100m) |
| WAL (Cover pool) | 7.1y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 5.5y | | |

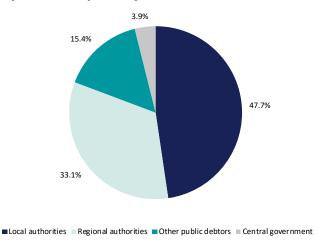
Development of cover pool data



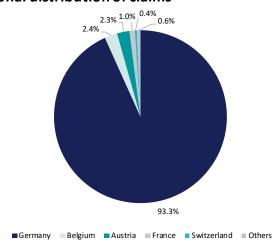
Maturity structure



Composition of primary assets



Regional distribution of claims



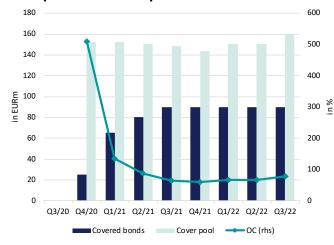


LIGA Bank Public sector

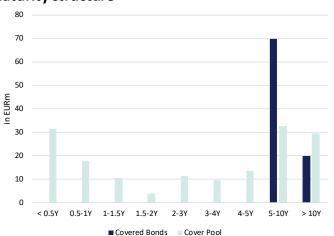
Cover pool data

| Cover pool (EURm) | 160.3 | 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) | 70.3 | EUR share (Cover pool) | n/a |
| OC | 78.1% | 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 | 53.8% (EUR 10-100m) |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | n/a | | |

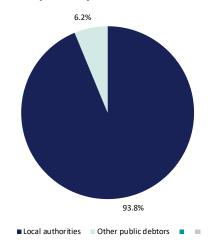
Development of cover pool data



Maturity structure

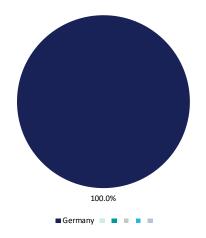


Composition of primary assets



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

Regional distribution of claims





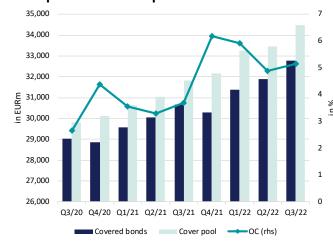
Münchener Hypothekenbank

Mortgage

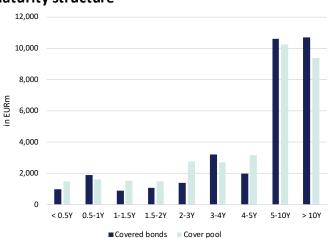
Cover pool data

| Cover pool (EURm) | 34,471.3 | Number of loans | 200,495 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 80.0% | Number of borrowers | 176,329 |
| of which commercial | 17.4% | Number of properties | 187,635 |
| of which substitution assets | 2.6% | Avg. exposure to borrowers (EUR) | 190,495 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 3.1% |
| Covered bonds (EURm) | 32,786.1 | Share of owner-occupied dwellings | 51.6% |
| OC (EURm) | 1,685.1 | Share of multi-familiy houses | 15.5% |
| OC | 5.1% | EUR share (Cover pool) | 81.3% |
| Fixed interest (Cover pool) | 95.9% | EUR share (Covered bonds) | 84.6% |
| Fixed interest (Covered bonds) | 88.0% | Largest FX position (NPV in EURm) | CHF (713.4) |
| WAL (Cover pool) | 8.4y | Share of largest exposure tranche | 57.7% (< EUR 0.3m) |
| WAL (Covered Bonds) | 9.2y | Avg. seasoning | 5.3y |
| Avg. LTV (Original value) | 52.4% | Loans in arrears (>90 days) | 0.03% |
| Avg. LTV (Market value) | n/a | | |

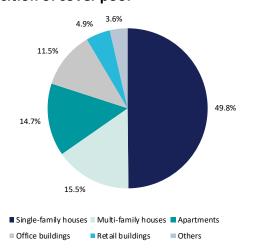
Development of cover pool data



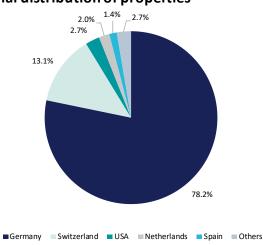
Maturity structure



Composition of cover pool



Regional distribution of properties





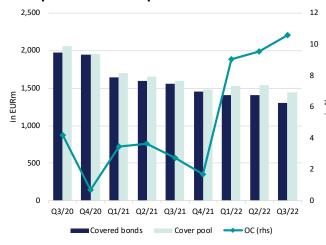
Münchener Hypothekenbank

Public sector

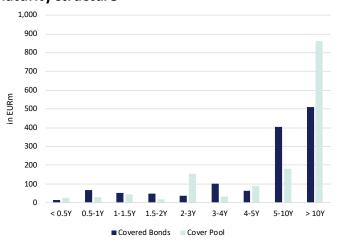
Cover pool data

| Cover pool (EURm) | 1,443.6 | Number of loans | 322 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which substitution assets | 0.0% | Number of borrowers | 221 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 89.0% |
| Covered bonds (EURm) | 1,305.4 | Avg. exposure to borrowers (EUR) | 6,532,342 |
| OC (EURm) | 138.3 | EUR share (Cover pool) | 100.0% |
| OC | 10.6% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 92.7% | Largest FX position (NPV in EURm) | - |
| Fixed interest (Covered bonds) | 91.5% | Share of largest exposure tranche | 67.5% (> EUR 100m) |
| WAL (Cover pool) | 11.7y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 8.3y | | |

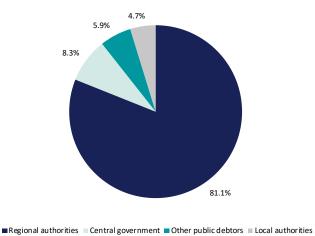
Development of cover pool data



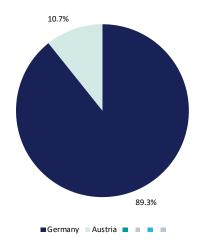
Maturity structure



Composition of primary assets



Regional distribution of claims





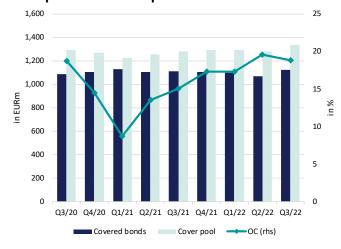
M.M.Warburg & CO Hypothekenbank

Mortgage

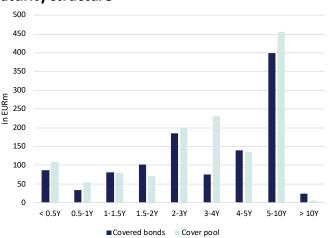
Cover pool data

| Cover pool (EURm) | 1,340.1 | Number of loans | 314 |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 21.2% | Number of borrowers | 180 |
| of which commercial | 73.4% | Number of properties | 342 |
| of which substitution assets | 5.4% | Avg. exposure to borrowers (EUR) | 7,039,222 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.9% |
| Covered bonds (EURm) | 1,127.7 | Share of owner-occupied dwellings | 0.1% |
| OC (EURm) | 212.4 | Share of multi-familiy houses | 17.4% |
| OC | 18.8% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 96.0% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 98.1% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 4.0y | Share of largest exposure tranche | 50.8% (EUR 1-10m) |
| WAL (Covered Bonds) | 4.2y | Avg. seasoning | 5.9y |
| Avg. LTV (Original value) | 57.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

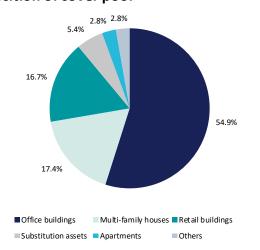
Development of cover pool data



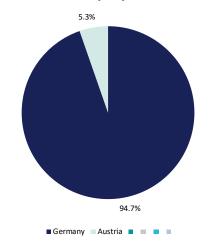
Maturity structure



Composition of cover pool



Regional distribution of properties





M.M.Warburg & CO Hypothekenbank

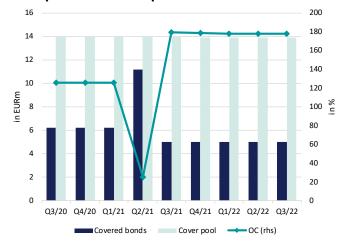
Public sector

Cover pool data

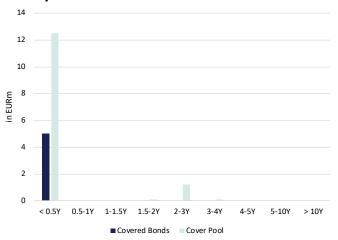
| Cover pool (EURm) |
|--------------------------------|
| of which substitution assets |
| of which derivatives |
| Covered bonds (EURm) |
| OC (EURm) |
| OC |
| Fixed interest (Cover pool) |
| Fixed interest (Covered bonds) |
| WAL (Cover pool) |
| WAL (Covered Bonds) |
| |

| 13.9 | Number of loans | n/a |
|--------|-----------------------------------|--------------------|
| 0.0% | Number of borrowers | n/a |
| 0.0% | Share of 10 largest borrowers | n/a |
| 5.0 | Avg. exposure to borrowers (EUR) | n/a |
| 8.9 | EUR share (Cover pool) | n/a |
| 178.0% | EUR share (Covered bonds) | n/a |
| 10.1% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 100.0% (< EUR 10m) |
| n/a | Loans in arrears (>90 days) | 0.00% |
| n/a | | |

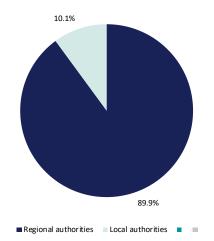
Development of cover pool data



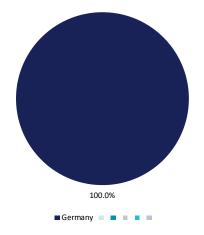
Maturity structure



Composition of primary assets



Regional distribution of claims





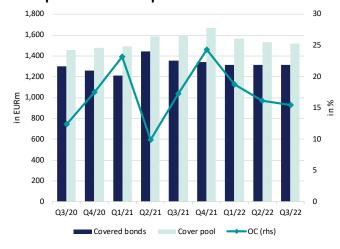
NATIXIS Pfandbriefbank

Mortgage

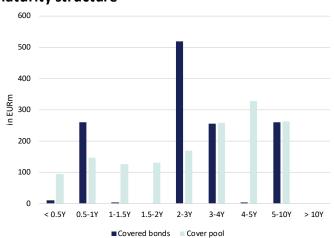
Cover pool data

| Cover pool (EURm) | 1,520.4 | Number of loans | 76 |
|--------------------------------|---------|-----------------------------------|-------------------|
| of which residential | 6.3% | Number of borrowers | 89 |
| of which commercial | 77.9% | Number of properties | 241 |
| of which substitution assets | 15.8% | Avg. exposure to borrowers (EUR) | 14,392,135 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.2% |
| Covered bonds (EURm) | 1,316.0 | Share of owner-occupied dwellings | 0.0% |
| OC (EURm) | 204.4 | Share of multi-familiy houses | 6.3% |
| OC | 15.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 43.5% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 3.2y | Share of largest exposure tranche | 92.4% (> EUR 10m) |
| WAL (Covered Bonds) | 3.5y | Avg. seasoning | 4.1y |
| Avg. LTV (Original value) | 57.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

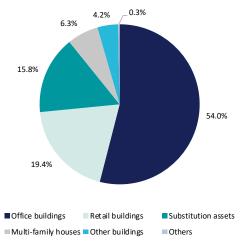
Development of cover pool data



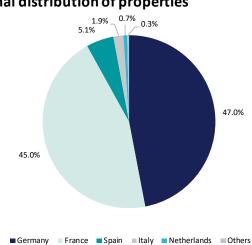
Maturity structure



Composition of cover pool



Regional distribution of properties





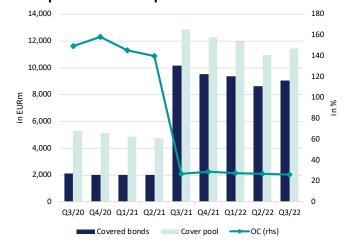
Norddeutsche Landesbank

Mortgage

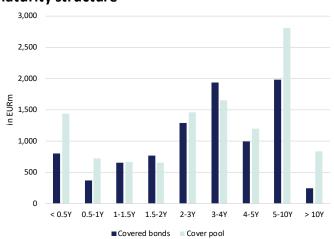
Cover pool data

| Cover pool (EURm) | 11,463.1 | Number of loans | n/a |
|--------------------------------|----------|-----------------------------------|-------------------|
| of which residential | 40.0% | Number of borrowers | n/a |
| of which commercial | 54.2% | Number of properties | n/a |
| of which substitution assets | 5.8% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 9,074.1 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 2,389.0 | Share of multi-familiy houses | n/a |
| OC | 26.3% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 82.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 97.7% | Largest FX position (NPV in EURm) | GBP (330.7) |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 56.8% (> EUR 10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 6.5y |
| Avg. LTV (Original value) | 60.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

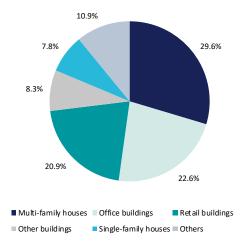
Development of cover pool data



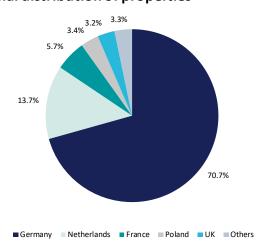
Maturity structure



Composition of cover pool



Regional distribution of properties





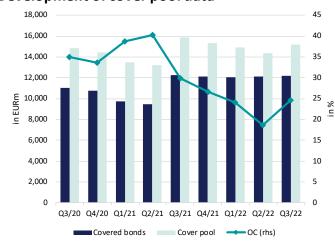
Norddeutsche Landesbank

Public sector

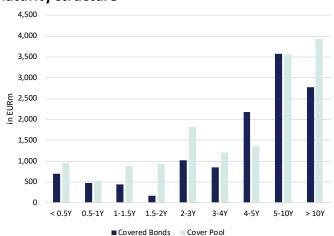
Cover pool data

| Cover pool (EURm) | 15,152.6 | Number of loans | 3,959 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which substitution assets | 2.3% | Number of borrowers | 1,411 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 23.2% |
| Covered bonds (EURm) | 12,171.0 | Avg. exposure to borrowers (EUR) | 10,496,740 |
| OC (EURm) | 2,981.6 | EUR share (Cover pool) | 96.7% |
| OC | 24.5% | EUR share (Covered bonds) | 99.5% |
| Fixed interest (Cover pool) | 88.5% | Largest FX position (NPV in EURm) | USD (227.3) |
| Fixed interest (Covered bonds) | 97.6% | Share of largest exposure tranche | 45.2% (> EUR 100m) |
| WAL (Cover pool) | 7.1y | Loans in arrears (>90 days) | 0.05% |
| WAL (Covered Bonds) | 6.9y | | |

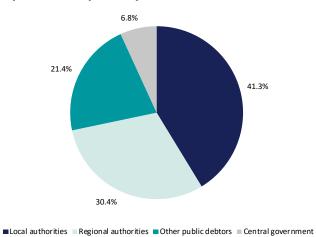
Development of cover pool data



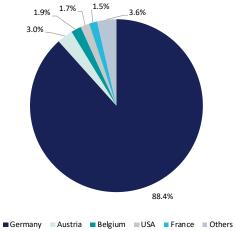
Maturity structure



Composition of primary assets



Regional distribution of claims





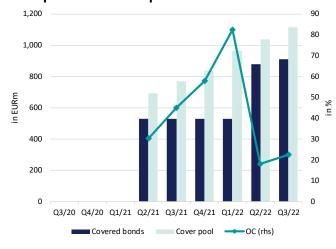
Oldenburgische Landesbank

Mortgage

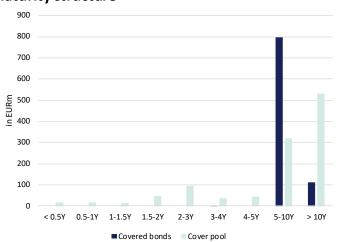
Cover pool data

| Cover pool (EURm) | 1,118.0 | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 90.6% | Number of borrowers | n/a |
| of which commercial | 1.8% | Number of properties | n/a |
| of which substitution assets | 7.6% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 911.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 207.0 | Share of multi-familiy houses | n/a |
| OC | 22.7% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 92.4% | 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 | 94.8% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 4.3y |
| Avg. LTV (Original value) | 56.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

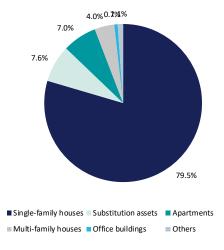
Development of cover pool data



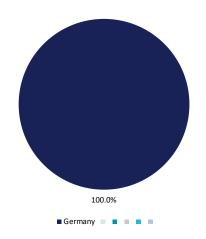
Maturity structure



Composition of cover pool



Regional distribution of properties





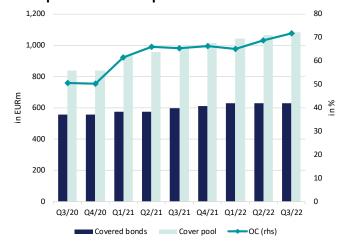
PSD Bank Nürnberg

Mortgage

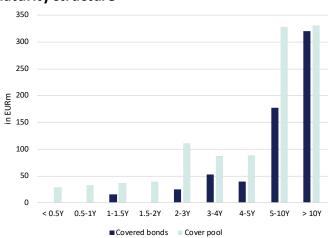
Cover pool data

| Cover pool (EURm) | 1,082.9 | Number of loans | 10,952 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 97.6% | Number of borrowers | 8,788 |
| of which commercial | 0.0% | Number of properties | 10,115 |
| of which substitution assets | 2.4% | Avg. exposure to borrowers (EUR) | 120,319 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.4% |
| Covered bonds (EURm) | 630.6 | Share of owner-occupied dwellings | 85.2% |
| OC (EURm) | 452.3 | Share of multi-familiy houses | 0.0% |
| OC | 71.7% | 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) | 7.5y | Share of largest exposure tranche | 99.0% (< EUR 0.3m) |
| WAL (Covered Bonds) | 11.0y | Avg. seasoning | 4.9y |
| Avg. LTV (Original value) | 51.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

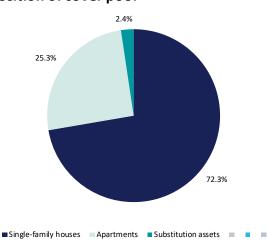
Development of cover pool data



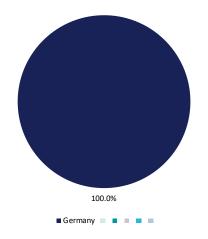
Maturity structure



Composition of cover pool



Regional distribution of properties





PSD Bank Rhein-Ruhr

Mortgage

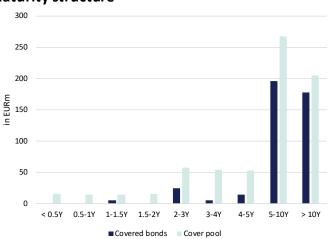
Cover pool data

| Cover pool (EURm) | 698.3 | Number of loans | 7,194 |
|--------------------------------|--------|-----------------------------------|--------------------|
| of which residential | 97.5% | Number of borrowers | 5,710 |
| of which commercial | 0.0% | Number of properties | 6,009 |
| of which substitution assets | 2.5% | Avg. exposure to borrowers (EUR) | 119,231 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 1.0% |
| Covered bonds (EURm) | 424.0 | Share of owner-occupied dwellings | 88.9% |
| OC (EURm) | 274.3 | Share of multi-familiy houses | 6.1% |
| 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 | 93.0% (< EUR 0.3m) |
| WAL (Covered Bonds) | 9.0y | Avg. seasoning | 4.7y |
| Avg. LTV (Original value) | 51.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

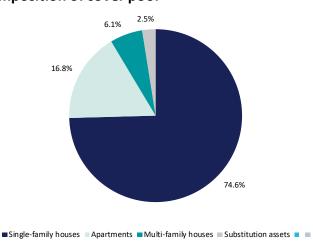
Development of cover pool data



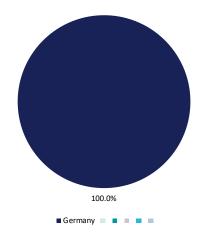
Maturity structure



Composition of cover pool



Regional distribution of properties



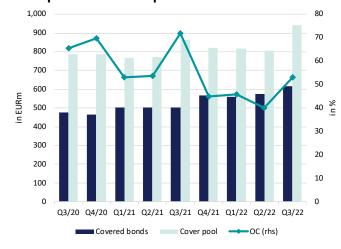


SaarLB Mortgage

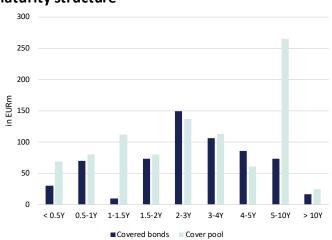
Cover pool data

| Cover pool (EURm) | 943.6 | Number of loans | n/a |
|--------------------------------|--------|-----------------------------------|-------------------|
| of which residential | 2.0% | Number of borrowers | n/a |
| of which commercial | 95.3% | Number of properties | n/a |
| of which substitution assets | 2.7% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 616.3 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 327.3 | Share of multi-familiy houses | n/a |
| OC | 53.1% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 78.6% | 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 | 52.7% (> EUR 10m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.4y |
| Avg. LTV (Original value) | 51.2% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

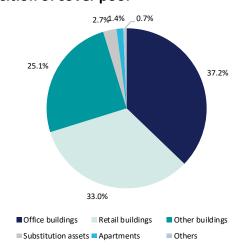
Development of cover pool data



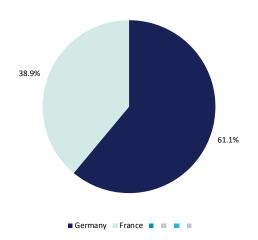
Maturity structure



Composition of cover pool



Regional distribution of properties





n/a n/a n/a n/a n/a n/a

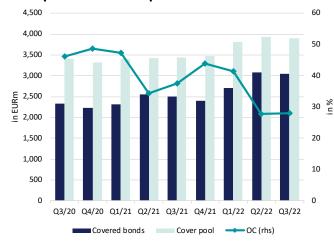
10-100m) 0.00%

SaarLB Public sector

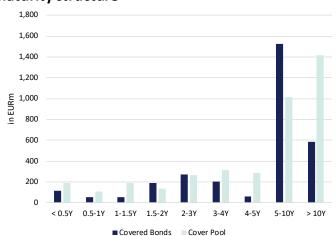
Cover pool data

| Cov | er pool (EURm) | 3,905.8 | Number of loans | |
|------|------------------------------|---------|-----------------------------------|--------------|
| | of which substitution assets | 0.0% | Number of borrowers | |
| | of which derivatives | 0.0% | Share of 10 largest borrowers | |
| Cov | ered bonds (EURm) | 3,052.2 | Avg. exposure to borrowers (EUR) | |
| OC | (EURm) | 853.6 | EUR share (Cover pool) | |
| OC | | 28.0% | EUR share (Covered bonds) | |
| Fixe | ed interest (Cover pool) | 76.4% | Largest FX position (NPV in EURm) | |
| Fixe | ed interest (Covered bonds) | 98.4% | Share of largest exposure tranche | 63.8% (EUR 1 |
| WA | L (Cover pool) | n/a | Loans in arrears (>90 days) | |
| WA | L (Covered Bonds) | n/a | , , , | |
| | | | | |

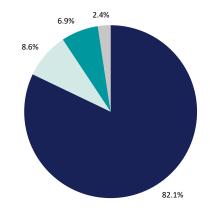
Development of cover pool data



Maturity structure

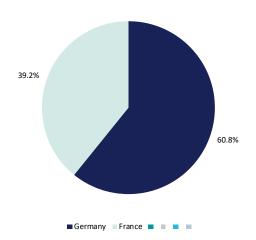


Composition of primary assets



■Local authorities ■ Other public debtors ■ Regional authorities ■ Central government

Regional distribution of claims





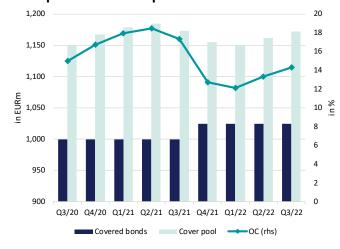
Santander Consumer Bank

Mortgage

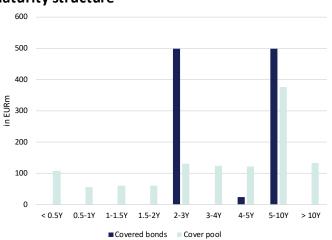
Cover pool data

| Cover pool (EURm) | 1,172.0 | Number of loans | 18,680 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 95.6% | Number of borrowers | 23,042 |
| of which commercial | 0.0% | Number of properties | 13,794 |
| of which substitution assets | 0.0% | Avg. exposure to borrowers (EUR) | 48,637 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 0.4% |
| Covered bonds (EURm) | 1,025.0 | Share of owner-occupied dwellings | 83.4% |
| OC (EURm) | 147.0 | Share of multi-familiy houses | 2.2% |
| OC | 14.3% | 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) | 5.0y | Share of largest exposure tranche | 96.5% (< EUR 0.3m) |
| WAL (Covered Bonds) | 4.8y | Avg. seasoning | 7.0y |
| Avg. LTV (Original value) | 45.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

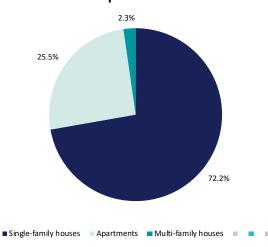
Development of cover pool data



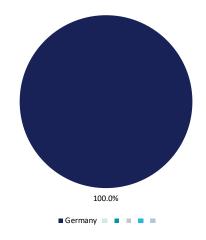
Maturity structure



Composition of cover pool



Regional distribution of properties





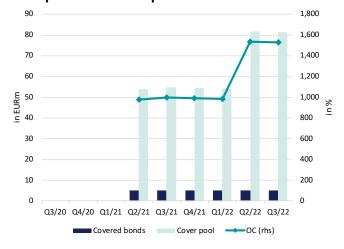
Sparda-Bank Südwest

Mortgage

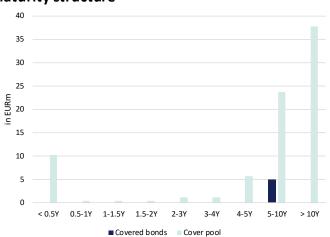
Cover pool data

| Cover pool (EURm) | 81.3 | Number of loans | n/a |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 87.5% | Number of borrowers | n/a |
| of which commercial | 0.0% | Number of properties | n/a |
| of which substitution asse | ts 12.3% | 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) | 76.3 | Share of multi-familiy houses | n/a |
| OC | 1525.8% | 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 | 85.8% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 3.6y |
| Avg. LTV (Original value) | 57.6% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

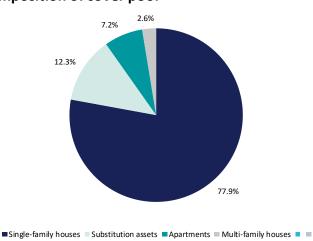
Development of cover pool data



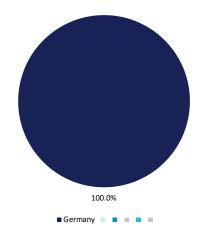
Maturity structure



Composition of cover pool



Regional distribution of properties





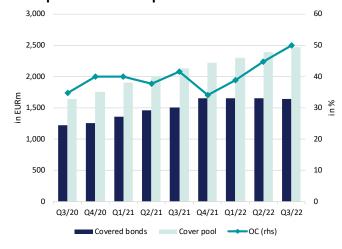
Sparkasse Hannover

Mortgage

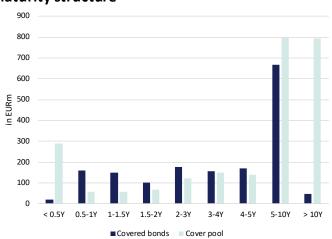
Cover pool data

| Cover pool (EURm) 2,471.4 | | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 77.8% | Number of borrowers | n/a |
| of which commercial | 18.6% | Number of properties | n/a |
| of which substitution assets | 3.6% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 1,647.6 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 823.8 | Share of multi-familiy houses | n/a |
| OC | 50.0% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 88.8% | 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 | 61.4% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 4.6y |
| Avg. LTV (Original value) | 56.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

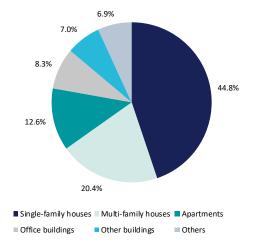
Development of cover pool data



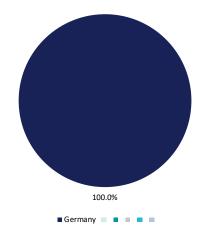
Maturity structure



Composition of cover pool



$\label{lem:Regional} \textbf{Regional distribution of properties}$





Sparkasse Hannover

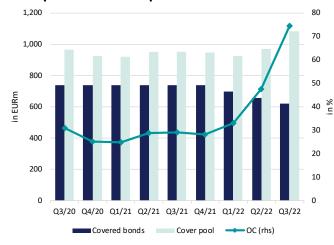
Public sector

Cover pool data

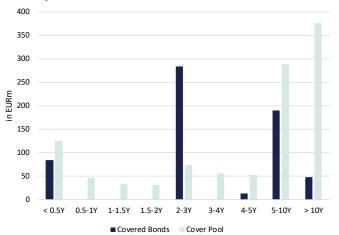
| Cover pool (EURm) |
|--------------------------------|
| of which substitution assets |
| of which derivatives |
| Covered bonds (EURm) |
| OC (EURm) |
| OC |
| Fixed interest (Cover pool) |
| Fixed interest (Covered bonds) |
| WAL (Cover pool) |
| WAL (Covered Bonds) |

| 1,085.1 | Number of loans | n/a |
|---------|-----------------------------------|---------------------|
| 0.0% | Number of borrowers | n/a |
| 0.0% | Share of 10 largest borrowers | n/a |
| 621.1 | Avg. exposure to borrowers (EUR) | n/a |
| 464.0 | EUR share (Cover pool) | n/a |
| 74.7% | EUR share (Covered bonds) | n/a |
| 93.8% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 50.0% (EUR 10-100m) |
| n/a | Loans in arrears (>90 days) | 0.00% |
| n/a | | |

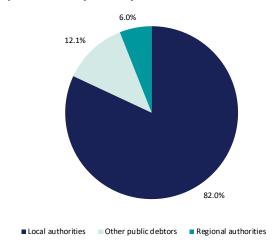
Development of cover pool data



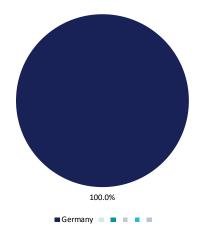
Maturity structure



Composition of primary assets



Regional distribution of claims





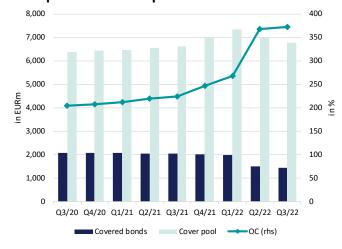
Sparkasse KölnBonn

Mortgage

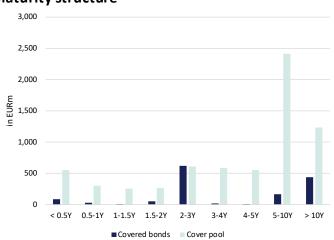
Cover pool data

| Cover pool (EURm) 6,791.7 | | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential 77.8% | | Number of borrowers | n/a |
| of which commercial | 19.9% | Number of properties | n/a |
| of which substitution assets | 2.3% | Avg. exposure to borrowers (EUR) | n/a |
| of which derivatives | 0.0% | Share of 10 largest borrowers | n/a |
| Covered bonds (EURm) | 1,438.0 | Share of owner-occupied dwellings | n/a |
| OC (EURm) | 5,353.7 | Share of multi-familiy houses | n/a |
| OC | 372.3% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 92.0% | EUR share (Covered bonds) | n/a |
| Fixed interest (Covered bonds) | 100.0% | Largest FX position (NPV in EURm) | CHF (73.0) |
| WAL (Cover pool) | n/a | Share of largest exposure tranche | 48.9% (< EUR 0.3m) |
| WAL (Covered Bonds) | n/a | Avg. seasoning | 5.8y |
| Avg. LTV (Original value) | 53.0% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

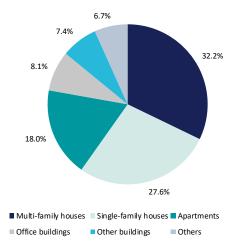
Development of cover pool data



Maturity structure

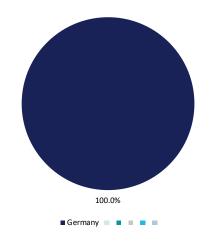


Composition of cover pool



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

Regional distribution of properties





Sparkasse KölnBonn

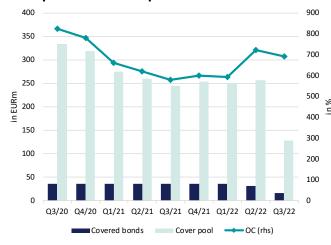
Public sector

Cover pool data

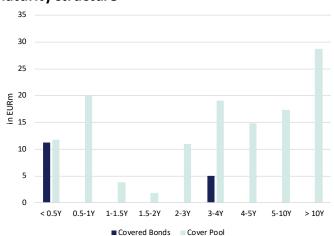
| Cover pool (EURm) |
|--------------------------------|
| of which substitution assets |
| of which derivatives |
| Covered bonds (EURm) |
| OC (EURm) |
| OC |
| Fixed interest (Cover pool) |
| Fixed interest (Covered bonds) |
| WAL (Cover pool) |
| WAL (Covered Bonds) |

| 128.3 | Number of loans | n/a |
|--------|-----------------------------------|---------------------|
| 0.0% | Number of borrowers | n/a |
| 0.0% | Share of 10 largest borrowers | n/a |
| 16.2 | Avg. exposure to borrowers (EUR) | n/a |
| 112.1 | EUR share (Cover pool) | n/a |
| 692.1% | EUR share (Covered bonds) | n/a |
| 79.7% | Largest FX position (NPV in EURm) | - |
| 100.0% | Share of largest exposure tranche | 61.5% (EUR 10-100m) |
| n/a | Loans in arrears (>90 days) | 0.00% |
| n/a | | |

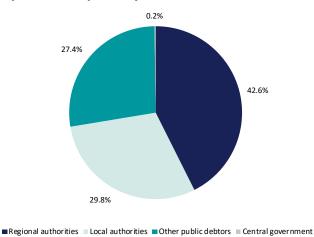
Development of cover pool data



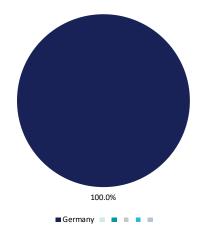
Maturity structure



Composition of primary assets



Regional distribution of claims





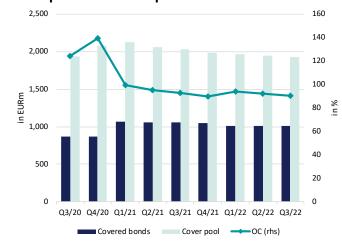
Stadtsparkasse Düsseldorf

Mortgage

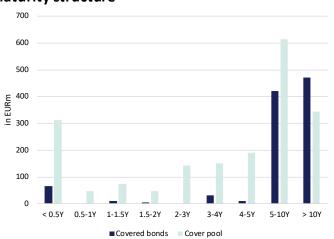
Cover pool data

| Cover pool (EURm) 1,924.6 | | Number of loans | n/a |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 70.7% | Number of borrowers | n/a |
| of which commercial | 24.1% | Number of properties | n/a |
| of which substitution assets | 0.0% | 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) | 914.3 | Share of multi-familiy houses | n/a |
| OC | 90.5% | EUR share (Cover pool) | n/a |
| Fixed interest (Cover pool) | 88.7% | 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 | 7.0y |
| Avg. LTV (Original value) | 55.4% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |

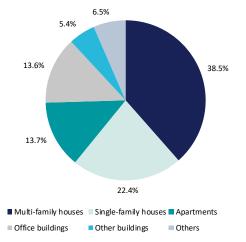
Development of cover pool data



Maturity structure

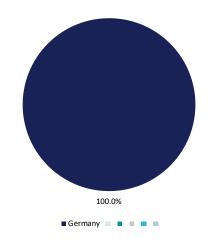


Composition of cover pool



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

Regional distribution of properties





Stadtsparkasse Düsseldorf

Public sector

63.7% (EUR 10-100m)

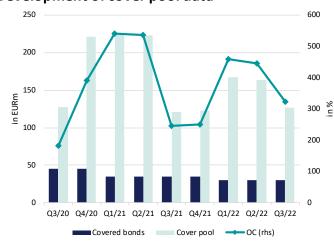
n/a n/a n/a n/a n/a n/a

0.00%

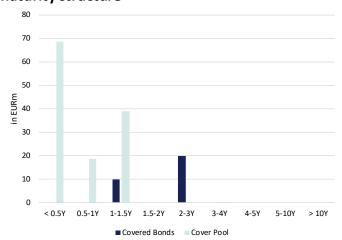
Cover pool data

| Cover pool (EURm) | 126.7 | Number of loans |
|--------------------------------|--------|-----------------------------------|
| of which substitution assets | 0.0% | Number of borrowers |
| of which derivatives | 0.0% | Share of 10 largest borrowers |
| Covered bonds (EURm) | 30.0 | Avg. exposure to borrowers (EUR) |
| OC (EURm) | 96.7 | EUR share (Cover pool) |
| OC | 322.4% | EUR share (Covered bonds) |
| Fixed interest (Cover pool) | 92.1% | Largest FX position (NPV in EURm) |
| Fixed interest (Covered bonds) | 100.0% | Share of largest exposure tranche |
| WAL (Cover pool) | n/a | Loans in arrears (>90 days) |
| WAL (Covered Bonds) | n/a | |
| | | |

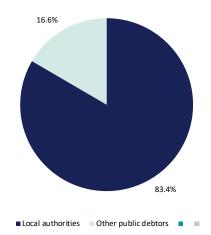
Development of cover pool data



Maturity structure

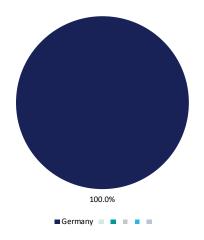


Composition of primary assets



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

Regional distribution of claims



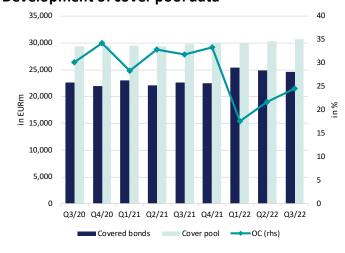


UniCredit Bank Mortgage

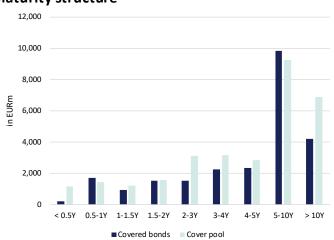
Cover pool data

| Cover pool (EURm) 30,663.5 | | Number of loans | 136,407 |
|--------------------------------|----------|-----------------------------------|--------------------|
| of which residential | 69.4% | Number of borrowers | 104,619 |
| of which commercial | 27.8% | Number of properties | 127,593 |
| of which substitution assets | 2.8% | Avg. exposure to borrowers (EUR) | 284,905 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 8.0% |
| Covered bonds (EURm) | 24,628.1 | Share of owner-occupied dwellings | 34.4% |
| OC (EURm) | 6,035.4 | Share of multi-familiy houses | 23.5% |
| OC | 24.5% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 83.0% | 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 | 35.7% (< EUR 0.3m) |
| WAL (Covered Bonds) | 6.4y | Avg. seasoning | 6.9y |
| Avg. LTV (Original value) | 42.1% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

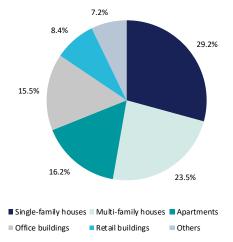
Development of cover pool data



Maturity structure

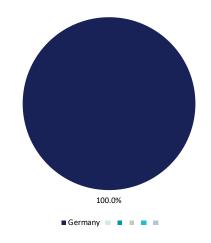


Composition of cover pool



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

Regional distribution of properties



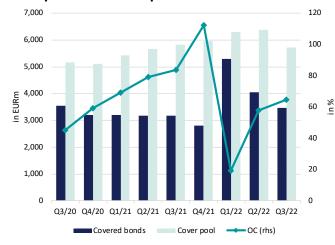


Public sector UniCredit Bank

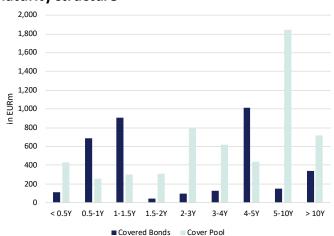
Cover pool data

| Cover pool (EURm) | 5,717.6 | Number of loans | 1,561 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which substitution assets | 0.0% | Number of borrowers | 822 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 39.1% |
| Covered bonds (EURm) | 3,469.0 | Avg. exposure to borrowers (EUR) | 6,955,718 |
| OC (EURm) | 2,248.6 | EUR share (Cover pool) | 95.8% |
| OC | 64.8% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Cover pool) | 71.5% | Largest FX position (NPV in EURm) | USD (224.2) |
| Fixed interest (Covered bonds) | 99.9% | Share of largest exposure tranche | 50.3% (> EUR 100m) |
| WAL (Cover pool) | 5.7y | Loans in arrears (>90 days) | 0.00% |
| WAL (Covered Bonds) | 4.3y | | |

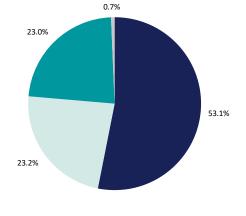
Development of cover pool data



Maturity structure

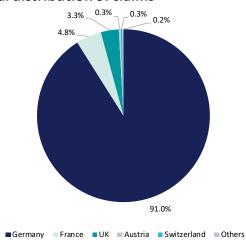


Composition of primary assets



 \blacksquare Local authorities \blacksquare Central government \blacksquare Regional authorities \blacksquare Other public debtors

Regional distribution of claims





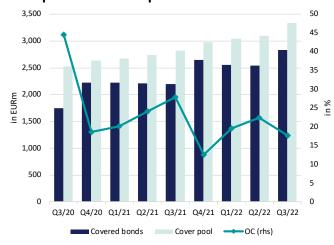
Wüstenrot Bausparkasse

Mortgage

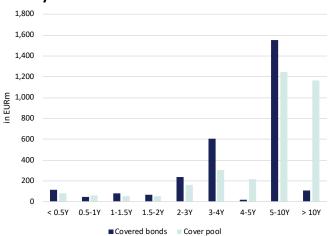
Cover pool data

| Cover pool (EURm) | 3,333.0 | Number of loans | 171 |
|--------------------------------|---------|-----------------------------------|--------------------|
| of which residential | 83.9% | Number of borrowers | 141 |
| of which commercial | 1.1% | Number of properties | 154 |
| of which substitution assets | 16.5% | Avg. exposure to borrowers (EUR) | 20,025,385 |
| of which derivatives | 0.0% | Share of 10 largest borrowers | 4.5% |
| Covered bonds (EURm) | 2,832.6 | Share of owner-occupied dwellings | 62.7% |
| OC (EURm) | 500.4 | Share of multi-familiy houses | 16.3% |
| OC | 17.7% | EUR share (Cover pool) | 100.0% |
| Fixed interest (Cover pool) | 99.4% | EUR share (Covered bonds) | 100.0% |
| Fixed interest (Covered bonds) | 89.8% | Largest FX position (NPV in EURm) | - |
| WAL (Cover pool) | 4.9y | Share of largest exposure tranche | 78.0% (< EUR 0.3m) |
| WAL (Covered Bonds) | 10.7y | Avg. seasoning | 9.0y |
| Avg. LTV (Original value) | 47.7% | Loans in arrears (>90 days) | 0.00% |
| Avg. LTV (Market value) | n/a | | |
| | | | |

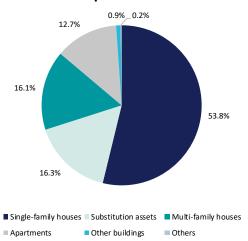
Development of cover pool data



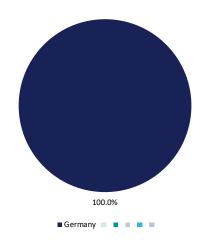
Maturity structure



Composition of cover pool



Regional distribution of properties





Appendix Contacts at NORD/LB

Markets Strategy & Floor Research



Dr Frederik KunzeCovered Bonds/Banks

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



Melanie Kiene Covered Bonds/Banks

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



Collat. Management/Repos

Liquidity Management

Stefan RahausCovered Bonds/Banks

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



Dr Norman Rudschuck SSA/Public Issuers

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



Jan-Phillipp Hensing SSA/Public Issuers

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

| Trading |
|---------|
| |

| Institutional Sales | +49 511 9818-9440 | Covereds/SSA | +49 511 9818-8040 |
|--------------------------------------|-------------------|---------------------------|-------------------|
| Sales Sparkassen & Regionalbanken | +49 511 9818-9400 | Financials | +49 511 9818-9490 |
| Sales MM/FX | +49 511 9818-9460 | Governments | +49 511 9818-9660 |
| Sales Europe | +352 452211-515 | Länder/Regionen | +49 511 9818-9550 |
| | | Frequent Issuers | +49 511 9818-9640 |
| Origination & Syndicate | | | |
| Origination FI | +49 511 9818-6600 | Sales Wholesale Customers | |
| Origination Corporates | +49 511 361-2911 | Firmenkunden | +49 511 361-4003 |
| | | Asset Finance | +49 511 361-8150 |
| Treasury | | | |

+49 511 9818-9200 +49 511 9818-9620

+49 511 9818-9650



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