

DZ HYP - Public Pfandbrief

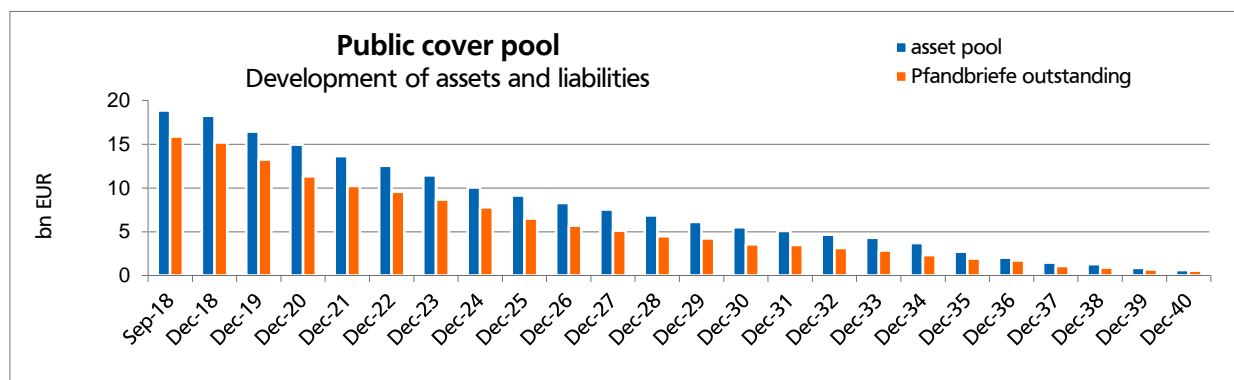
Additional data according to section 28 Pfandbrief Act (Transparency provisions):
<http://www.dzhyp.de/paragraph28/>



Development of assets, Pfandbriefe and overcollateralisation 09/30/2018

Public cover pool

| Reporting date | asset pool bn EUR | Pfandbriefe outstanding bn EUR | over- collateralisation bn EUR |
|----------------|----------------------|--------------------------------------|--------------------------------------|
| 09/30/2018 | 18.86 | 15.89 | 2.97 |
| 12/31/2018 | 18.26 | 15.22 | 3.04 |
| 12/31/2019 | 16.43 | 13.25 | 3.18 |
| 12/31/2020 | 14.95 | 11.35 | 3.61 |
| 12/31/2021 | 13.64 | 10.25 | 3.40 |
| 12/31/2022 | 12.53 | 9.55 | 2.98 |
| 12/31/2023 | 11.45 | 8.68 | 2.77 |
| 12/31/2024 | 10.05 | 7.77 | 2.28 |
| 12/31/2025 | 9.14 | 6.50 | 2.64 |
| 12/31/2026 | 8.28 | 5.70 | 2.58 |
| 12/31/2027 | 7.53 | 5.12 | 2.41 |
| 12/31/2028 | 6.85 | 4.50 | 2.34 |
| 12/31/2029 | 6.13 | 4.24 | 1.89 |
| 12/31/2030 | 5.51 | 3.58 | 1.94 |
| 12/31/2031 | 5.08 | 3.50 | 1.58 |
| 12/31/2032 | 4.67 | 3.14 | 1.53 |
| 12/31/2033 | 4.30 | 2.84 | 1.45 |
| 12/31/2034 | 3.72 | 2.31 | 1.41 |
| 12/31/2035 | 2.70 | 1.95 | 0.75 |
| 12/31/2036 | 2.04 | 1.72 | 0.32 |
| 12/31/2037 | 1.47 | 1.07 | 0.40 |
| 12/31/2038 | 1.28 | 0.91 | 0.37 |
| 12/31/2039 | 0.86 | 0.71 | 0.15 |
| 12/31/2040 | 0.64 | 0.56 | 0.08 |

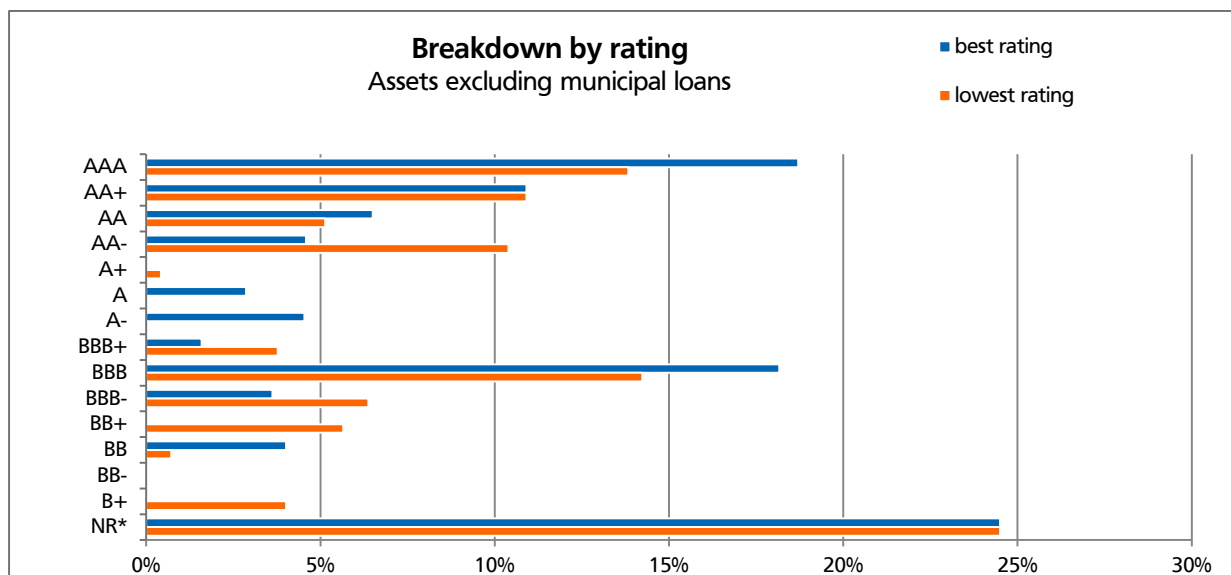


**Breakdown by rating (Assets excluding municipal loans)
best rating (S&P, Moody's and Fitch)**
09/30/2018

| Rating note | mn EUR | % |
|--------------|--------------|-------------|
| AAA | 1,305 | 19% |
| AA+ | 761 | 11% |
| AA | 453 | 7% |
| AA- | 319 | 5% |
| A+ | 0 | 0% |
| A | 200 | 3% |
| A- | 317 | 5% |
| BBB+ | 111 | 2% |
| BBB | 1,266 | 18% |
| BBB- | 253 | 4% |
| BB+ | 0 | 0% |
| BB | 280 | 4% |
| NR* | 1,708 | 24% |
| Total | 6,973 | 100% |

**Breakdown by rating (Assets excluding municipal loans)
lowest rating (S&P, Moody's and Fitch)**
09/30/2018

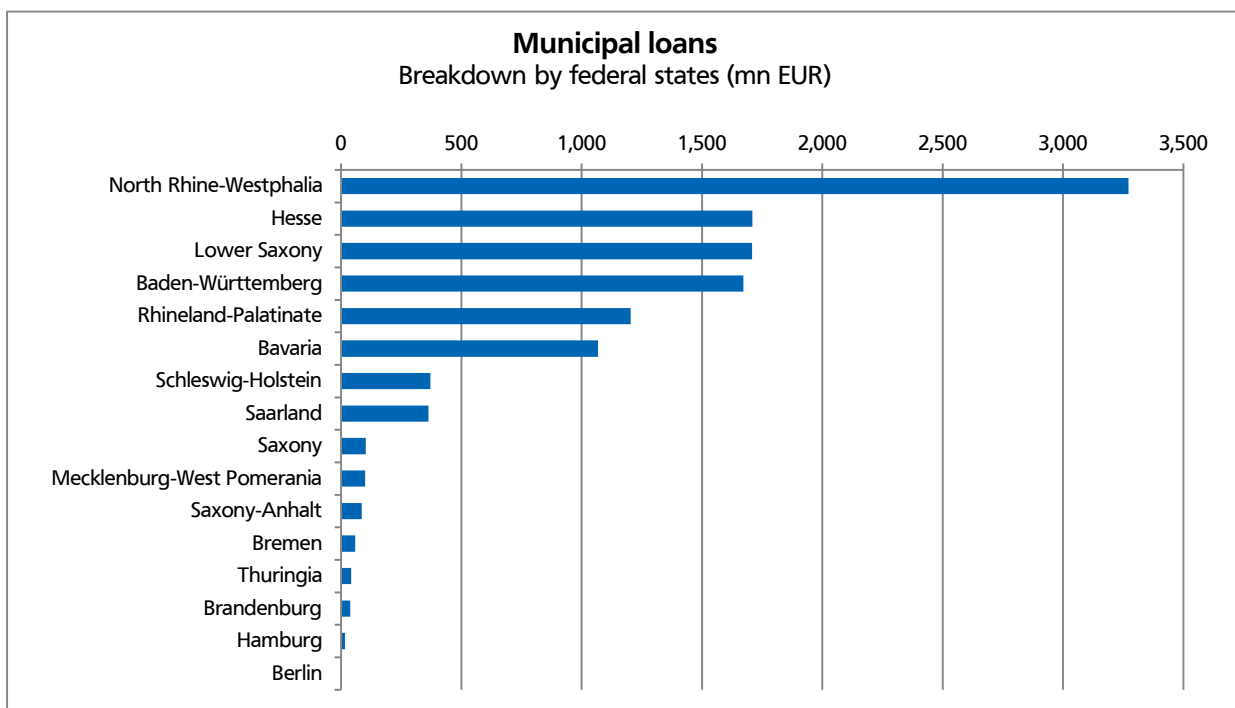
| Rating note | mn EUR | % |
|--------------|--------------|-------------|
| AAA | 964 | 14% |
| AA+ | 761 | 11% |
| AA | 358 | 5% |
| AA- | 725 | 10% |
| A+ | 30 | 0% |
| A | 0 | 0% |
| A- | 2 | 0% |
| BBB+ | 263 | 4% |
| BBB | 992 | 14% |
| BBB- | 445 | 6% |
| BB+ | 394 | 6% |
| BB | 50 | 1% |
| BB- | 0 | 0% |
| B+ | 280 | 4% |
| NR* | 1,708 | 24% |
| Total | 6,973 | 100% |



* Of this amount, 937 million euros are loans to German federal states, which currently have no rating.

Geographical Concentration - Germany
09/30/2018
Municipal loans

| Federal states | mn EUR | % |
|----------------------------|---------------|---------------|
| North Rhine-Westphalia | 3,271 | 27.70 |
| Hesse | 1,709 | 14.48 |
| Lower Saxony | 1,707 | 14.46 |
| Baden-Württemberg | 1,672 | 14.15 |
| Rhineland-Palatinate | 1,203 | 10.19 |
| Bavaria | 1,068 | 9.05 |
| Schleswig-Holstein | 371 | 3.14 |
| Saarland | 363 | 3.08 |
| Saxony | 102 | 0.86 |
| Mecklenburg-West Pomerania | 101 | 0.85 |
| Saxony-Anhalt | 86 | 0.73 |
| Bremen | 59 | 0.50 |
| Thuringia | 42 | 0.35 |
| Brandenburg | 38 | 0.33 |
| Hamburg | 16 | 0.14 |
| Berlin | 0 | 0.00 |
| Total | 11,809 | 100.00 |



| Public cover pool | | 09/30/2018 |
|--|---------------|---------------|
| Breakdown by customer groups (Germany) | | |
| Customer group | mn EUR | % |
| German Municipal (local authorities) | 11,099 | 75.98 |
| German Federal States | 1,895 | 12.98 |
| Other domestic borrowers | 971 | 6.65 |
| German Public Sector Companies / Municipal Enterprises | 581 | 3.98 |
| German Federal Government | 61 | 0.42 |
| Total | 14,607 | 100.00 |

