

## DZ HYP - Public Pfandbrief

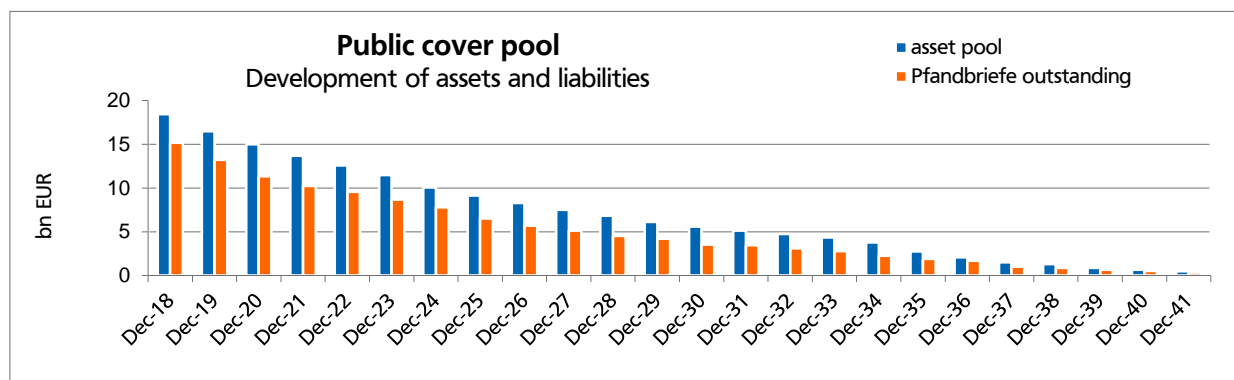
Additional data according to section 28 Pfandbrief Act (Transparency provisions):  
<http://www.dzhyp.de/paragraph28/>



### Development of assets, Pfandbriefe and overcollateralisation 12/31/2018

#### Public cover pool

Reporting date	asset pool bn EUR	Pfandbriefe outstanding bn EUR	over- collateralisation bn EUR
12/31/2018	18.41	15.17	3.24
12/31/2019	16.49	13.21	3.28
12/31/2020	15.00	11.34	3.66
12/31/2021	13.68	10.24	3.44
12/31/2022	12.56	9.55	3.01
12/31/2023	11.47	8.67	2.79
12/31/2024	10.06	7.77	2.29
12/31/2025	9.14	6.50	2.64
12/31/2026	8.27	5.70	2.57
12/31/2027	7.52	5.13	2.39
12/31/2028	6.83	4.51	2.32
12/31/2029	6.10	4.20	1.90
12/31/2030	5.58	3.54	2.04
12/31/2031	5.14	3.47	1.68
12/31/2032	4.73	3.10	1.62
12/31/2033	4.35	2.80	1.55
12/31/2034	3.76	2.26	1.50
12/31/2035	2.75	1.90	0.84
12/31/2036	2.08	1.67	0.41
12/31/2037	1.50	1.02	0.48
12/31/2038	1.31	0.86	0.45
12/31/2039	0.88	0.66	0.22
12/31/2040	0.66	0.52	0.14
12/31/2041	0.48	0.32	0.16

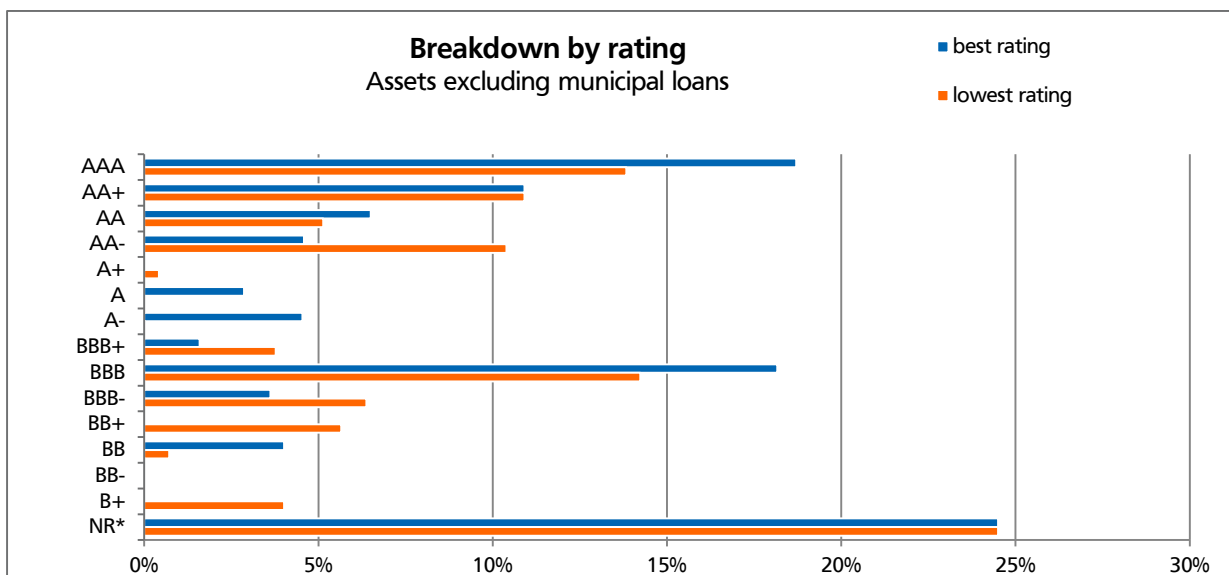


**Breakdown by rating (Assets excluding municipal loans)  
best rating (S&P, Moody's and Fitch)**
**12/31/2018**

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%
<b>Total</b>	<b>6,973</b>	<b>100%</b>

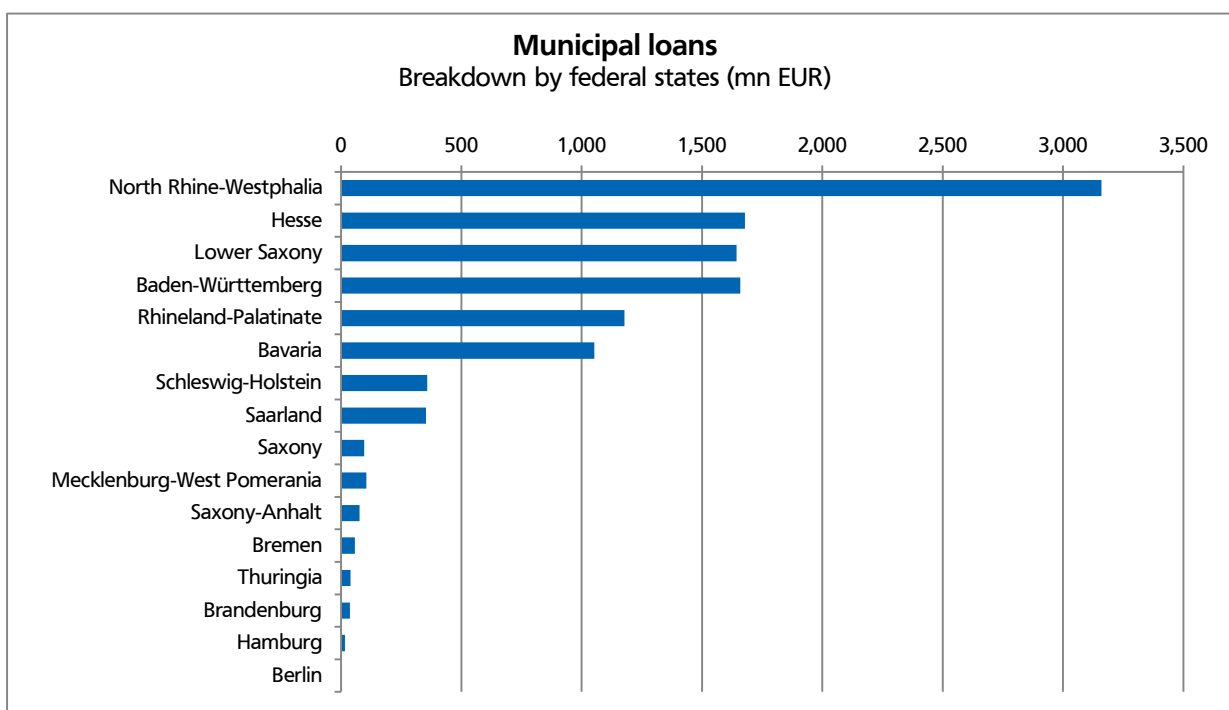
**Breakdown by rating (Assets excluding municipal loans)  
lowest rating (S&P, Moody's and Fitch)**
**12/31/2018**

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%
<b>Total</b>	<b>6,973</b>	<b>100%</b>



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

Geographical Concentration - Germany		12/31/2018
Municipal loans		
Federal states	mn EUR	%
North Rhine-Westphalia	3,159	27.45
Hesse	1,678	14.58
Lower Saxony	1,644	14.28
Baden-Württemberg	1,658	14.41
Rhineland-Palatinate	1,178	10.23
Bavaria	1,053	9.15
Schleswig-Holstein	358	3.11
Saarland	353	3.06
Saxony	96	0.83
Mecklenburg-West Pomerania	105	0.91
Saxony-Anhalt	77	0.67
Bremen	57	0.50
Thuringia	40	0.35
Brandenburg	37	0.32
Hamburg	16	0.14
Berlin	0	0.00
<b>Total</b>	<b>11,508</b>	<b>100.00</b>



Public cover pool		12/31/2018
Breakdown by customer groups (Germany)		
Customer group	mn EUR	%
German Municipal (local authorities)	10,795	76.15
German Federal States	1,776	12.53
Other domestic borrowers	950	6.70
German Public Sector Companies / Municipal Enterprises	594	4.19
German Federal Government	61	0.43
<b>Total</b>	<b>14,177</b>	<b>100.00</b>

