

Publication according to section 28 para. 1 nos. 1 and 3 Pfandbrief Act

Pfandbriefe outstanding and their cover
Q2 2020

| Outstanding total | | nominal value | | net present value | | risk-adjusted net present value* | |
|--|---------|---------------|----------|-------------------|----------|----------------------------------|----------|
| | | Q2 2020 | Q2 2019 | Q2 2020 | Q2 2019 | Q2 2020 | Q2 2019 |
| Mortgage Pfandbriefe | (€ mn.) | 31,918.5 | 29,083.6 | 34,377.9 | 31,305.3 | 32,124.2 | 29,477.1 |
| of which derivatives | (€ mn.) | - | - | - | - | - | - |
| Cover Pool | (€ mn.) | 36,964.1 | 33,765.2 | 42,814.2 | 38,631.4 | 39,837.9 | 36,260.6 |
| of which derivatives | (€ mn.) | - | - | - | - | - | - |
| Over Collateralization (OC) | (€ mn.) | 5,045.6 | 4,681.7 | 8,436.2 | 7,326.1 | 7,713.7 | 6,783.4 |
| OC in % of Pfandbriefe outstanding | | 15.8 | 16.1 | 24.5 | 23.4 | 24.0 | 23.0 |
| Over-Collateralization in Consideration of vdp-Credit- Quality-Differentiation-Model | (€ mn.) | 5,045.6 | 4,681.7 | 8,436.2 | 7,326.1 | | |
| OC in % of Pfandbriefe outstanding | | 15.8 | 16.1 | 24.5 | 23.4 | | |

* The dynamic approach was used for calculating the risk-adjusted net present value according to section 5 para. 1 no. 2 of the Net Present Value Regulation (PfandBarwertV).

| Outstanding total | | nominal value | | net present value | | risk-adjusted net present value* | |
|--|---------|---------------|----------|-------------------|----------|----------------------------------|----------|
| | | Q2 2020 | Q2 2019 | Q2 2020 | Q2 2019 | Q2 2020 | Q2 2019 |
| Public Pfandbriefe | (€ mn.) | 13,730.3 | 14,518.8 | 17,352.9 | 18,215.3 | 16,003.9 | 16,927.8 |
| of which derivatives | (€ mn.) | - | - | - | - | - | - |
| Cover Pool | (€ mn.) | 15,686.2 | 17,343.9 | 20,318.7 | 21,961.1 | 18,526.7 | 20,180.0 |
| of which derivatives | (€ mn.) | - | - | - | - | - | - |
| Over Collateralization (OC) | (€ mn.) | 1,955.9 | 2,825.2 | 2,965.9 | 3,745.9 | 2,522.8 | 3,252.2 |
| OC in % of Pfandbriefe outstanding | | 14.2 | 19.5 | 17.1 | 20.6 | 15.8 | 19.2 |
| Over Collateralization in Consideration of vdp-Credit- Quality-Differentiation-Model | (€ mn.) | 1,955.9 | 2,825.2 | 2,965.9 | 3,745.9 | | |
| OC in % of Pfandbriefe outstanding | | 14.2 | 19.5 | 17.1 | 20.6 | | |

* The dynamic approach was used for calculating the risk-adjusted net present value according to section 5 para. 1 no. 2 of the Net Present Value Regulation (PfandBarwertV).

Note: The release of the over collateralization with a view to the vdp-credit quality differentiation model is voluntary.

**Maturity structure of Pfandbriefe outstanding and their respective cover pools
Q2 2020**

| Mortgage Pfandbriefe | Q2 2020 | | Q2 2019 | |
|-----------------------------|---|----------------------------|---|----------------------------|
| | Pfandbriefe outstanding € mn. | Cover pool € mn. | Pfandbriefe outstanding € mn. | Cover pool € mn. |
| Maturity: | | | | |
| <= 0,5 years | 960.0 | 1,723.1 | 1,214.1 | 1,599.7 |
| > 0,5 years and <= 1 year | 1,368.3 | 1,491.3 | 1,659.5 | 1,403.0 |
| > 1 year and <= 1,5 years | 2,122.5 | 1,505.2 | 650.0 | 1,501.1 |
| > 1,5 years and <= 2 years | 1,549.5 | 1,379.8 | 1,118.3 | 1,397.4 |
| > 2 years and <= 3 years | 3,212.5 | 3,065.6 | 2,622.0 | 2,910.5 |
| > 3 years and <= 4 years | 3,213.9 | 3,359.1 | 3,212.5 | 3,072.5 |
| > 4 years and <= 5 years | 2,831.1 | 2,904.0 | 2,463.9 | 2,833.9 |
| > 5 years and <= 10 years | 13,669.5 | 14,015.5 | 12,033.8 | 11,851.4 |
| > 10 years | 2,991.2 | 7,520.5 | 4,109.5 | 7,195.9 |

| Public Pfandbriefe | Q2 2020 | | Q2 2019 | |
|----------------------------|---|----------------------------|---|----------------------------|
| | Pfandbriefe outstanding € mn. | Cover pool € mn. | Pfandbriefe outstanding € mn. | Cover pool € mn. |
| Maturity: | | | | |
| <= 0,5 years | 1,499.4 | 634.6 | 1,369.2 | 1,120.1 |
| > 0,5 years and <= 1 year | 976.7 | 640.8 | 875.2 | 863.1 |
| > 1 year and <= 1,5 years | 363.1 | 609.0 | 969.3 | 556.8 |
| > 1,5 years and <= 2 years | 606.2 | 524.2 | 721.0 | 611.7 |
| > 2 years and <= 3 years | 796.0 | 1,168.1 | 719.4 | 1,099.4 |
| > 3 years and <= 4 years | 929.1 | 1,115.5 | 796.0 | 1,127.0 |
| > 4 years and <= 5 years | 1,151.5 | 1,327.2 | 927.7 | 1,077.9 |
| > 5 years and <= 10 years | 3,226.7 | 3,980.6 | 3,770.8 | 4,325.5 |
| > 10 years | 4,181.5 | 5,686.1 | 4,370.2 | 6,562.5 |

Publication according to section 28 para. 2 no. 1 a Pfandbrief Act, section 28 para. 3 no. 1 Pfandbrief Act and section 28 para. 4 no. 1 a Pfandbrief Act

**Mortgage loans used as cover for Mortgage Pfandbriefe according to their amount in tranches
Q2 2020**

| Cover Assets | Q2 2020 € mn. | Q2 2019 € mn. |
|---|-------------------------|-------------------------|
| up to 300,000 Euros | 8,714.0 | 8,344.6 |
| more than 300,000 Euros up to 1 mn. Euros | 2,418.9 | 2,333.6 |
| more than 1 mn. Euros up to 10 mn. Euros | 11,013.6 | 10,893.9 |
| more than 10 mn. Euros | 14,016.6 | 11,392.1 |
| Total | 36,163.1 | 32,964.2 |

**Cover Assets used to secure public Pfandbriefe according to their amount in tranches
Q2 2020**

| Cover Assets | Q2 2020 € mn. | Q2 2019 € mn. |
|--|-------------------------|-------------------------|
| up to 10 mn. Euros | 5,914.5 | 5,920.5 |
| more than 10 mn. Euros up to 100 mn. Euros | 5,637.0 | 6,373.8 |
| more than 100 mn. Euros | 4,069.4 | 5,012.7 |
| Total | 15,620.9 | 17,307.0 |

Volume of claims used to cover Mortgage Pfandbriefe according to states in which the real property is located, according to property type and the total amount of payments in arrears for at least 90 days as well as the total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim

Q2 2020

| Cover assets | | | | | | | | | | | | | | | | Total amount of payments in arrears for at least 90 days | Total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim |
|---------------------------|-----------|----------|-------------|---------|---------|----------|-------|-------|------------|---------|---------|-------|---------|-------|-------|--|--|
| State | Q2 | Total | Residential | | | | | | Commercial | | | | | | | | |
| | | | thereof | thereof | | | | | Total | thereof | | | | | | | |
| | | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. |
| Total - all states | year 2020 | 36,163.1 | 20,941.8 | 1,691.3 | 6,341.1 | 12,555.5 | 344.6 | 9.3 | 15,221.3 | 6,190.2 | 4,754.4 | 141.8 | 3,978.7 | 147.9 | 8.3 | - | - |
| | year 2019 | 32,964.2 | 20,128.7 | 1,509.9 | 6,082.8 | 11,954.9 | 565.7 | 15.4 | 12,835.5 | 4,937.2 | 4,115.4 | 65.7 | 3,586.7 | 122.0 | 8.6 | 2.1 | 7.0 |
| Germany | year 2020 | 35,028.2 | 20,940.8 | 1,691.3 | 6,340.1 | 12,555.5 | 344.6 | 9.3 | 14,087.4 | 5,457.2 | 4,437.1 | 141.8 | 3,895.1 | 147.9 | 8.3 | - | - |
| | year 2019 | 32,039.5 | 20,127.2 | 1,509.8 | 6,081.4 | 11,954.9 | 565.7 | 15.4 | 11,912.3 | 4,462.5 | 3,728.4 | 65.7 | 3,525.2 | 122.0 | 8.6 | 2.0 | 6.8 |
| Austria | year 2020 | 4.3 | 0.0 | 0.0 | - | - | - | - | 4.3 | 4.3 | - | - | - | - | - | - | - |
| | year 2019 | 8.6 | 0.0 | 0.0 | - | - | - | - | 8.6 | 8.6 | - | - | - | - | - | - | - |
| Belgium | year 2020 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| France | year 2020 | 229.7 | 0.8 | 0.0 | 0.7 | - | - | - | 229.0 | 174.7 | 54.3 | - | - | - | - | - | - |
| | year 2019 | 243.4 | 1.3 | 0.1 | 1.2 | - | - | - | 242.1 | 156.7 | 85.5 | - | - | - | - | 0.0 | 0.1 |
| Great Britain | year 2020 | 218.0 | - | - | - | - | - | - | 218.0 | 191.5 | 26.5 | - | - | - | - | - | - |
| | year 2019 | 148.8 | - | - | - | - | - | - | 148.8 | 121.8 | 27.0 | - | - | - | - | - | - |
| Hungary | year 2020 | 41.3 | - | - | - | - | - | - | 41.3 | - | 41.3 | - | - | - | - | - | - |
| | year 2019 | 43.1 | - | - | - | - | - | - | 43.1 | - | 43.1 | - | - | - | - | - | - |
| Netherlands | year 2020 | 583.6 | 0.2 | - | 0.2 | - | - | - | 583.4 | 362.5 | 137.2 | - | 83.6 | - | - | - | - |
| | year 2019 | 375.5 | 0.2 | - | 0.2 | - | - | - | 375.3 | 187.7 | 127.2 | - | 60.5 | - | - | - | - |
| Poland | year 2020 | 50.3 | - | - | - | - | - | - | 50.3 | - | 50.3 | - | - | - | - | - | - |
| | year 2019 | 51.4 | - | - | - | - | - | - | 51.4 | - | 51.4 | - | - | - | - | - | - |
| Sweden | year 2020 | 7.6 | - | - | - | - | - | - | 7.6 | - | 7.6 | - | - | - | - | - | - |
| | year 2019 | 53.9 | - | - | - | - | - | - | 53.9 | - | 52.9 | - | 1.0 | - | - | - | - |

**Volume of claims used to cover Public Pfandbriefe
Q2 2020**

| | | Cover assets | | | | | | | | | |
|---------------------------|-----------|--------------|---|-----------------|-------------------------|----------------------|---------------|--------------------|-------------------------|----------------------|---------------|
| | | Total | in the total included claims which are granted for reasons of promoting exports | thereof owed by | | | | thereof granted by | | | |
| | | | | State | Regional authorities | Local authorities | Other debtors | State | Regional authorities | Local authorities | Other debtors |
| State | Q2 | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. |
| Total - all states | year 2020 | 15,686.2 | - | 1,369.9 | 3,117.6 | 9,701.9 | 688.9 | 251.1 | 293.5 | 258.6 | 4.7 |
| | year 2019 | 17,307.0 | - | 1,424.8 | 3,308.3 | 10,575.8 | 1,062.5 | 251.5 | 382.3 | 296.6 | 5.1 |
| Germany | year 2020 | 12,604.4 | - | 376.2 | 1,619.2 | 9,583.6 | 579.1 | 51.1 | 131.9 | 258.6 | 4.7 |
| | year 2019 | 13,592.5 | - | 180.6 | 1,661.1 | 10,464.1 | 762.7 | 51.1 | 171.2 | 296.6 | 5.1 |
| Austria | year 2020 | 441.3 | - | 416.3 | 25.0 | - | - | - | - | - | - |
| | year 2019 | 441.8 | - | 416.8 | 25.0 | - | - | - | - | - | - |
| Belgium | year 2020 | 53.0 | - | 30.0 | 23.0 | - | - | - | - | - | - |
| | year 2019 | 104.7 | - | 30.0 | 23.0 | - | - | - | 51.7 | - | - |
| France | year 2020 | 44.8 | - | 40.0 | - | 4.8 | - | - | - | - | - |
| | year 2019 | 65.8 | - | 40.0 | 4.8 | - | 21.0 | - | - | - | - |
| Italy | year 2020 | 372.9 | - | 170.0 | 123.6 | 79.3 | - | - | - | - | - |
| | year 2019 | 641.9 | - | 420.0 | 139.8 | 81.8 | - | 0.4 | - | - | - |
| Luxembourg | year 2020 | 7.4 | - | 7.4 | - | - | - | - | - | - | - |
| | year 2019 | 7.4 | - | 7.4 | - | - | - | - | - | - | - |
| Portugal | year 2020 | 480.0 | - | 280.0 | - | - | - | 200.0 | - | - | - |
| | year 2019 | 480.0 | - | 280.0 | - | - | - | 200.0 | - | - | - |
| Spain | year 2020 | 995.3 | - | 50.0 | 891.1 | 30.0 | - | - | 24.2 | - | - |
| | year 2019 | 1,049.3 | - | 50.0 | 945.1 | 30.0 | - | - | 24.2 | - | - |
| Canada | year 2020 | 403.6 | - | - | 262.0 | 4.3 | - | - | 137.3 | - | - |
| | year 2019 | 415.2 | - | - | 280.1 | - | - | - | 135.1 | - | - |
| Switzerland | year 2020 | 173.7 | - | - | 173.7 | - | - | - | - | - | - |
| | year 2019 | 229.6 | - | - | 229.6 | - | - | - | - | - | - |
| EU institutions | year 2020 | 109.8 | - | - | - | - | 109.8 | - | - | - | - |
| | year 2019 | 278.8 | - | - | - | - | 278.8 | - | - | - | - |

**Total amount of payments in arrears for at least 90 days
as well as the total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim
Q2 2020**

| | | Amount of claims in arrears for at least 90 days | | | | | Total amount of these claims inasmuch as the respective amount in arrears is at least 5 % of the claim | | | | |
|---------------------------|-----------|--|---------|----------------------|-------------------|---------------|--|---------|----------------------|-------------------|---------------|
| | | Total | thereof | | | | Total | thereof | | | |
| | | | State | Regional authorities | Local authorities | Other debtors | | State | Regional authorities | Local authorities | Other debtors |
| State | Q2 | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. | € mn. |
| Total - all states | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Germany | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Austria | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Belgium | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| France | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Italy | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Luxembourg | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Portugal | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Spain | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Canada | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| Switzerland | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |
| EU institutions | year 2020 | - | - | - | - | - | - | - | - | - | - |
| | year 2019 | - | - | - | - | - | - | - | - | - | - |

Publication according to section 28 para. 1 nos. 4, 5 and 6 Pfandbrief Act

Further cover assets - in detail for Mortgage Pfandbriefe

Q2 2020

| Further cover assets for Mortgage Pfandbriefe according to section 19 para. 1 nos. 1, 2 and 3 Pfandbrief Act | | | | | | |
|---|-----------|----------------|--|--|---|---|
| State | Q2 | Total € mn. | thereof | claims according to section 19 para. 1 no. 2 | | claims according to section 19 para. 1 no. 3 € mn. |
| | | | equalization claims according to section 19 para. 1 no. 1 € mn. | overall € mn. | thereof Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013 € mn. | |
| Total - all states | year 2020 | 801.0 | - | - | - | 801.0 |
| | year 2019 | 801.0 | - | - | - | 801.0 |
| Germany | year 2020 | 801.0 | - | - | - | 801.0 |
| | year 2019 | 801.0 | - | - | - | 801.0 |

Further cover assets - in detail for Public Pfandbriefe
Q2 2020

| Further cover assets for Public Pfandbriefe according to section 20 para. 2 nos. 1 and 2 Pfandbrief Act | | | | | |
|---|-----------|----------------|--|---|--|
| State | Q2 | Total € mn. | thereof | | |
| | | | equalization claims according to section 20 para. 2 no. 1 € mn. | claims according to section 20 para. 2 no. 2 overall € mn. | thereof Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013 € mn. |
| Total - all states | year 2020 | 65.3 | - | 65.3 | - |
| | year 2019 | 36.9 | - | 36.9 | - |
| Germany | year 2020 | 65.3 | - | 65.3 | - |
| | year 2019 | 36.9 | - | 36.9 | - |

Publication according to section 28 para. 1 nos.7, 8, 9, 10 and 11 Pfandbrief Act and section 28 para. 2 no. 3 Pfandbrief Act

**Key figures about outstanding Pfandbriefe and Cover Pool
Q2 2020**

| Mortgage Pfandbriefe | | Q2 2020 | Q2 2019 |
|--|---------|----------|----------|
| Outstanding Pfandbriefe | (€ mn.) | 31,918.5 | 29,083.6 |
| thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9 | % | 98.2 | 96.5 |
| Cover Pool | (€ mn.) | 36,964.1 | 33,765.2 |
| thereof total amount of the claims which exceed the limits laid down in § 13 para. 1 section 28 para. 1 no. 7 | (€ mn.) | - | - |
| thereof total amount of the claims which exceed the percentage threshold laid down in § 19 para 1 no. 2 section 28 para. 1 no. 8 | (€ mn.) | - | - |
| thereof total amount of the claims which exceed the percentage threshold laid down in § 19 para 1 no. 3 section 28 para. 1 no. 8 | (€ mn.) | - | - |
| thereof percentage share of fixed-rate cover assets section 28 para. 1 no. 9 | % | 88.7 | 90.1 |
| Net present value pursuant to § 6 of the Pfandbruef Net Present Value Regulation for each foreign currency in Euro section 28 para. 1 no. 10 (Net Total) | CAD | - | - |
| | CHF | 4.4 | 4.3 |
| | CZK | - | - |
| | DKK | - | - |
| | GBP | 239.9 | 165.0 |
| | HKD | - | - |
| | JPY | - | - |
| | NOK | - | - |
| | SEK | 7.7 | 54.7 |
| | USD | 45.1 | 44.3 |
| | AUD | - | - |
| volume-weighted average of the maturity that has passed since the loan was granted (seasoning) section 28 para. 1 no. 11 | years | 4.6 | 4.6 |
| average loan-to-value ratio, weighted using the mortgage lending value section 28 para. 2 no. 3 | % | 54.2 | 53.8 |
| average loan-to-value ratio, weighted using the market value | % | - | - |

Public Pfandbriefe

| | | Q2 2020 | Q2 2019 |
|--|---------|----------|----------|
| Outstanding Pfandbriefe | (€ mn.) | 13,730.3 | 14,518.8 |
| thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9 | % | 95.6 | 95.3 |
| Cover Pool | (€ mn.) | 15,686.2 | 17,343.9 |
| thereof total amount of the claims which exceed the percentage threshold laid down in § 20 para 2 section 28 para. 1 no. 8 | (€ mn.) | - | - |
| thereof percentage share of fixed-rate cover assets section 28 para. 1 no. 9 | % | 96.1 | 95.5 |
| Net present value pursuant to § 6 of the Pfandbruef Net Present Value Regulation for each foreign currency in Euro | CAD | 38.0 | 38.8 |
| | CHF | 14.9 | 78.5 |
| | CZK | - | - |
| section 28 para. 1 no. 10 (Net Total) | DKK | - | - |
| | GBP | 25.1 | 7.6 |
| | HKD | - | - |
| | JPY | 35.3 | 35.2 |
| | NOK | - | - |
| | SEK | - | - |
| | USD | 166.9 | 144.2 |
| | AUD | - | - |

