



Transparency requirements §28 PfandBG Q3/2020

Markets Strategy & Floor Research





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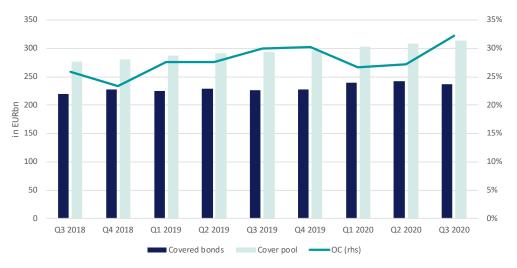


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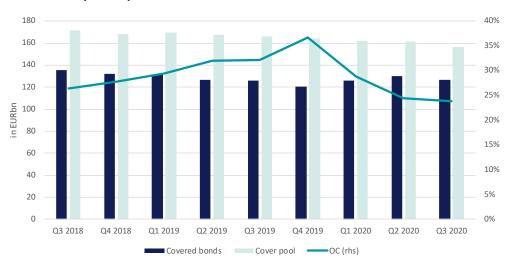
Market overview

NORD/LB

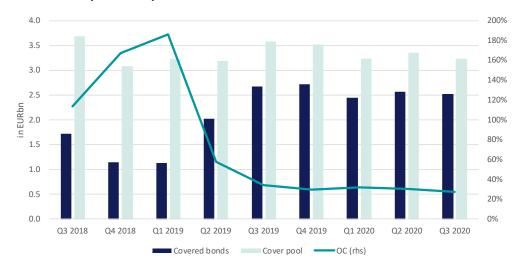
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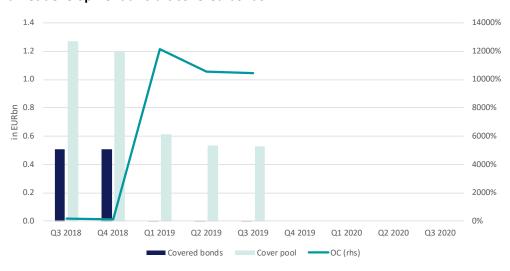
Market development public sector covered bonds



Market development ship covered bonds



Market development aircraft covered bonds





Market overview mortgage covered bonds

lection	Amount outstanding	Cover pool	00	:	Cover type (in %)			Germany s	share (in %)
Issuer	in EURm	in EURm	in EURm	in %	Residential	Commercial	Others*	Primary assets	Substitution assets
Aareal Bank	10,386.1	12,061.1	1,675.0	16.1	6.7	86.2	7.2	17.1	55.9
Bausparkasse Mainz	31.0	50.6	19.6	63.4	92.1	0.0	7.9	100.0	0.0
Bausparkasse Schwäbisch Hall	6.0	567.6	561.6	9,360.8	90.6	0.4	9.0	100.0	100.0
Bayerische Landesbank	3,937.0	9,470.4	5,533.5	140.6	14.9	80.8	4.3	67.0	92.7
Berlin Hyp	15,366.1	15,767.2	401.1	2.6	28.2	63.3	8.4	67.2	94.4
Commerzbank	20,408.9	32,614.8	12,205.9	59.8	94.5	2.4	3.0	100.0	49.3
DekaBank	195.0	986.2	791.2	405.8	0.0	96.5	3.5	33.6	100.0
Deutsche Apotheker- und Ärztebank	6,730.1	8,299.4	1,569.3	23.3	75.8	18.7	5.5	100.0	78.0
Deutsche Bank	11,977.0	15,659.0	3,682.0	30.7	86.9	7.4	5.7	100.0	97.8
Deutsche Hypothekenbank	8,768.2	9,201.0	432.8	4.9	18.8	72.1	9.1	49.3	46.5
Deutsche Kreditbank	4,331.5	7,170.0	2,838.5	65.5	93.6	2.1	4.3	100.0	100.0
Deutsche Pfandbriefbank	15,190.0	17,724.0	2,534.0	16.7	18.6	78.8	2.6	45.2	71.8
DSK Hyp	213.0	845.0	632.0	296.7	33.6	64.0	2.4	75.4	100.0
DZ HYP	32,432.8	37,509.7	5,076.9	15.7	56.9	40.7	2.4	96.9	100.0
Hamburg Commercial Bank	4,348.8	4,735.6	386.8	8.9	16.4	80.3	3.3	95.5	100.0
Hamburger Sparkasse	5,669.7	7,901.9	2,232.2	39.4	66.3	29.9	3.8	100.0	100.0
ING	3,695.0	6,272.3	2,577.3	69.8	100.0	0.0	4.0	100.0	100.0
Kreissparkasse Köln	1,603.3	5,141.4	3,538.1	220.7	80.5	13.4	6.1	100.0	42.7
Landesbank Baden-Württemberg	11,747.6	15,389.3	3,641.6	31.0	38.5	55.8	5.7	78.0	62.4
Landesbank Berlin	3,500.0	5,622.4	2,122.4	60.6	62.4	32.1	5.5	100.0	95.2
Landesbank Hessen-Thüringen	12,142.1	17,629.0	5,486.9	45.2	23.5	67.4	9.1	52.3	93.8
M.M.Warburg & CO Hypothekenbank	1,089.9	1,294.7	204.8	18.8	18.0	76.9	5.1	91.8	100.0
Münchener Hypothekenbank	29,033.5	29,803.2	769.7	2.7	80.4	17.3	2.4	79.9	77.4
Natixis Pfandbriefbank	1,297.5	1,458.5	161.0	12.4	5.9	82.8	11.3	35.3	100.0
Norddeutsche Landesbank	2,114.2	5,272.6	3,158.4	149.4	68.8	28.4	2.8	98.5	86.3
PSD Bank Nürnberg	557.6	839.9	282.3	50.6	97.3	0.0	2.7	100.0	0.0
PSD Bank Rhein-Ruhr	304.0	472.5	168.5	55.4	97.5	0.0	2.5	100.0	100.0
SaarLB	474.5	784.9	310.4	65.4	1.4	92.5	6.2	80.3	100.0
Santander Consumer Bank	1,000.0	1,149.8	149.8	15.0	95.7	0.0	4.3	100.0	100.0
Sparkasse Hannover	1,223.1	1,648.5	425.4	34.8	77.7	18.1	4.2	100.0	100.0
Sparkasse KölnBonn	2,095.7	6,375.9	4,280.3	204.2	71.4	19.6	8.9	100.0	83.3
Stadtsparkasse Düsseldorf	867.0	1,942.8	1,075.8	124.1	69.8	27.4	2.8	100.0	100.0
UniCredit Bank	22,573.5	29,393.9	6,820.4	30.2	68.2	29.5	2.3	100.0	100.0
Wüstenrot Bausparkasse	1,751.6	2,530.3	778.7	44.5	92.6	1.1	6.3	100.0	0.0

^{*} Including substitute assets as well as derivatives; excess cover assets might optionally be included.



Market overview public sector covered bonds

	Amount outstanding	Cover pool	ос			С	over type (in %)			Germany sl	hare (in %)
Issuer	in EURm	in EURm	in EURm	in %	Central government	Regional authorities	Local authorities	Other debtors	Substitute cover*	Primary assets	Substitution assets
Aareal Bank	1,696.1	1,886.0	189.9	11.2	13.8	64.5	19.4	1.5	0.8	74.3	0.0
Bayerische Landesbank	17,853.1	22,901.9	5,048.8	28.3	8.2	38.5	43.6	8.0	1.7	94.2	100.0
Berlin Hyp	262.0	275.5	13.5	5.2	21.4	78.5	0.1	0.0	0.0	78.6	-
Commerzbank	11,436.4	12,556.7	1,120.4	9.8	24.3	35.9	34.2	5.1	0.6	59.2	100.0
DekaBank	3,515.8	4,193.1	677.3	19.3	19.2	11.6	48.5	20.7	0.0	80.0	-
Deutsche Bank	90.0	147.0	57.0	63.3	17.0	83.0	0.0	0.0	0.0	100.0	-
Deutsche Hypothekenbank	2,938.7	3,183.9	245.2	8.3	20.3	55.8	1.0	22.9	0.0	57.8	-
Deutsche Kreditbank	4,433.3	9,050.0	4,616.7	104.1	0.2	9.5	88.4	2.0	0.0	100.0	-
Deutsche Pfandbriefbank	10,813.0	12,563.0	1,750.0	16.2	39.4	37.3	8.2	14.7	0.4	28.7	100.0
DSK Hyp	62.5	256.8	194.3	310.9	13.6	83.8	2.3	0.3	0.0	100.0	-
DZ HYP	13,424.1	15,444.7	2,020.6	15.1	9.8	21.9	63.7	4.5	0.4	80.2	100.0
Hamburg Commercial Bank	1,626.1	1,903.7	277.6	17.1	19.3	64.9	12.0	3.7	0.0	80.0	-
Kreissparkasse Köln	238.4	297.7	59.3	24.9	0.0	9.4	66.9	23.7	0.0	100.0	-
Landesbank Baden-Württemberg	9,792.0	11,393.1	1,601.1	16.4	12.3	21.5	35.4	30.8	0.0	94.5	-
Landesbank Berlin	320.0	746.0	426.0	133.1	0.0	22.8	0.0	77.2	0.0	100.0	-
Landesbank Hessen-Thüringen	28,318.7	32,993.8	4,675.1	16.5	3.2	37.4	45.0	14.0	0.4	92.5	100.0
M.M.Warburg & CO Hypothekenbank	6.2	14.0	7.8	125.8	0.0	89.3	10.7	0.0	0.0	100.0	-
Münchener Hypothekenbank	1,975.3	2,058.1	82.8	4.2	5.8	78.7	7.5	7.9	0.0	92.5	-
Norddeutsche Landesbank	11,019.4	14,870.9	3,851.5	35.0	6.6	25.0	41.7	21.3	5.3	94.5	100.0
SaarLB	2,332.3	3,410.9	1,078.6	46.2	1.6	8.8	85.7	3.9	0.0	65.6	-
Sparkasse Hannover	738.1	967.4	229.3	31.1	0.0	2.6	90.0	7.5	0.0	100.0	-
Sparkasse KölnBonn	36.2	335.0	298.8	825.4	0.0	3.4	74.2	22.4	0.0	100.0	-
Stadtsparkasse Düsseldorf	45.0	127.4	82.4	183.0	0.0	0.0	64.8	15.5	0.0	100.0	-
UniCredit Bank	3,549.1	5,150.0	1,600.9	45.1	26.2	26.4	47.2	0.3	0.0	91.7	-

^{*} Some issuers have distributed substitute assets to the respective debtor types.



Market overview ship covered bonds

lssuer	Amount outstanding	Cover pool	ОС		
	in EURm	in EURm	in EURm	in %	
Commerzbank	267.5	313.0	45.5	17.0	
DVB Bank	250.0	597.3	347.3	138.9	
Hamburg Commercial Bank	1,978.0	2,280.3	302.3	15.3	
Norddeutsche Landesbank	33.1	40.0	6.9	20.8	



Mortgage covered bonds



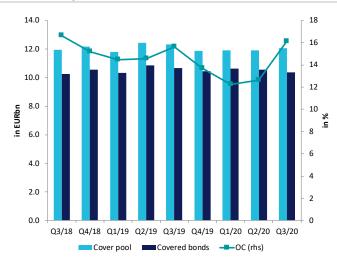
Aareal Bank Mortgage

Indicators of the cover pool

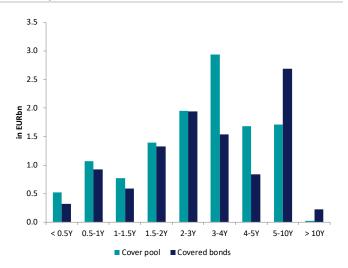
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Covered bonds outstanding (EURm)	10,386.1
Cover pool volume (EURm)	12,061.1
of which residential	6.7%
of which commercial	86.2%
of which substitution assets	5.8%
of which derivatives	1.4%
Current OC (EURm)	1,675.0
Current OC	16.1%
Number of loans	4,825
Number of borrowers	4,741
Share of 10 largest borrowers	12.5%
Avg. exposure to borrowers (EUR)	2,361,548
Number of properties	5,706

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	51.9%
Fixed interest (Covered bonds)	65.9%
WAL (Cover pool)	3.2y
WAL (Covered bonds)	3.9y
Avg. seasoning	4.9y
LTV (Original value)	55.8%
LTV (Market value)	33.0%
Largest FX-position (NPV in EURm)	USD (886.7)
Share of largest exposure tranche	93.6% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

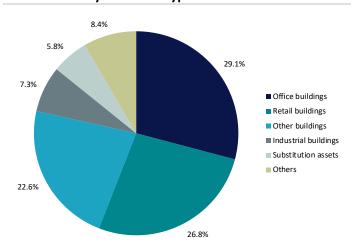
Past development

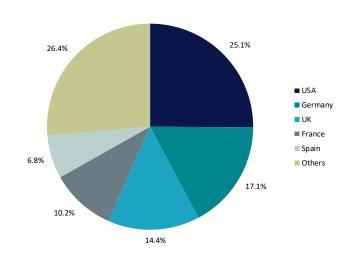


Maturity structure



Distribution by borrower type







Bausparkasse Mainz

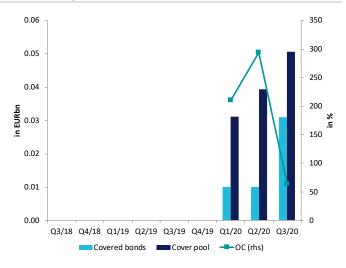
Mortgage

Indicators of the cover pool

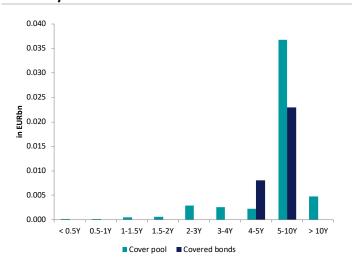
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Covered bonds outstanding (EURm)	31.0
Cover pool volume (EURm)	50.6
of which residential	92.1%
of which commercial	0.0%
of which substitution assets	7.9%
of which derivatives	0.0%
Current OC (EURm)	19.6
Current OC	63.4%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	1.2y
LTV (Original value)	55.3%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	97.9% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

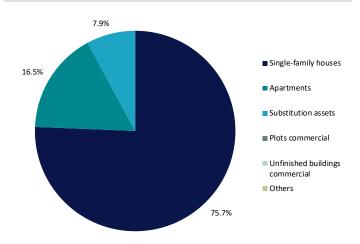
Past development

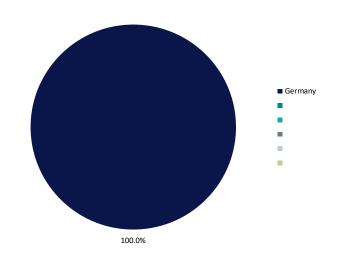


Maturity structure



Distribution by borrower type







Bausparkasse Schwäbisch Hall

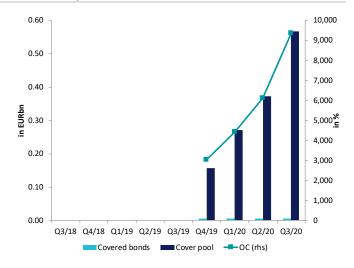
Mortgage

Indicators of the cover pool

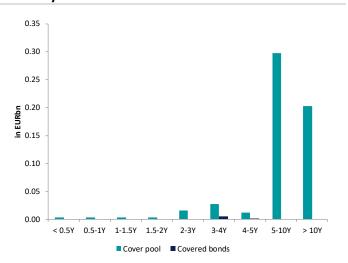
Covered bonds outstanding (EURm)	6.0
Cover pool volume (EURm)	567.6
of which residential	90.6%
of which commercial	0.4%
of which substitution assets	9.0%
of which derivatives	0.0%
Current OC (EURm)	561.6
Current OC	9360.8%
Number of loans	4,361
Number of borrowers	6,737
Share of 10 largest borrowers	1.2%
Avg. exposure to borrowers (EUR)	76,688
Number of properties	3,785

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	9.9y
WAL (Covered bonds)	3.6y
Avg. seasoning	1.3y
LTV (Original value)	51.3%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	91.6% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

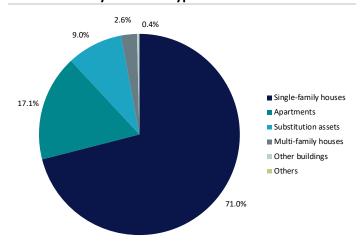
Past development

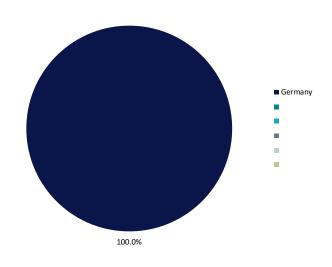


Maturity structure



Distribution by borrower type







Bayerische Landesbank

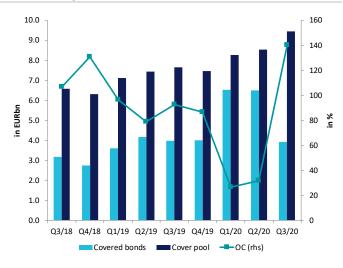
Mortgage

Indicators of the cover pool

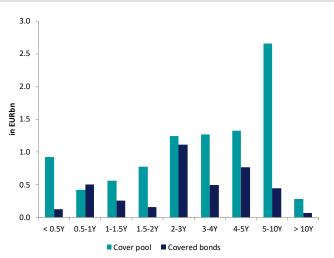
Covered bonds outstanding (EURm)	3,937.0
Cover pool volume (EURm)	9,470.4
of which residential	14.9%
of which commercial	80.8%
of which substitution assets	4.3%
of which derivatives	0.0%
Current OC (EURm)	5,533.5
Current OC	140.6%
Number of loans	571
Number of borrowers	402
Share of 10 largest borrowers	1.4%
Avg. exposure to borrowers (EUR)	22,540,881
Number of properties	998

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	70.9%
Fixed interest (Covered bonds)	78.3%
WAL (Cover pool)	4.0y
WAL (Covered bonds)	3.0y
Avg. seasoning	4.1y
LTV (Original value)	57.6%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	GBP (371.6)
Share of largest exposure tranche	86.2% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

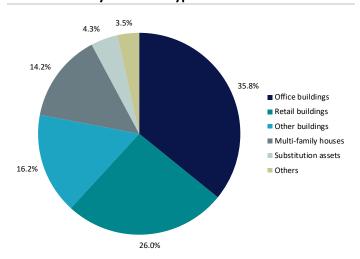
Past development

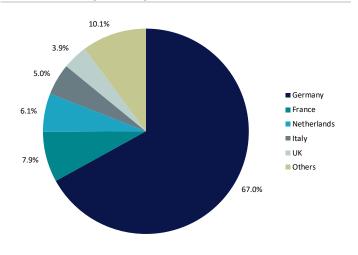


Maturity structure



Distribution by borrower type







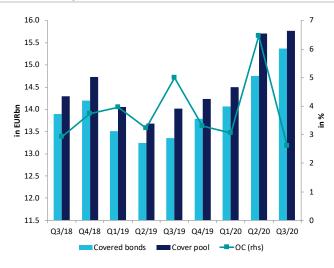
Berlin Hyp Mortgage

Indicators of the cover pool

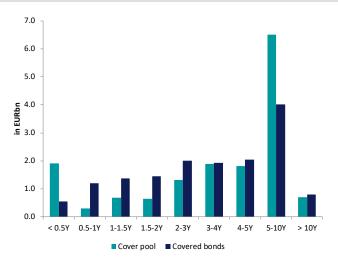
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Covered bonds outstanding (EURm)	15,366.1
Cover pool volume (EURm)	15,767.2
of which residential	28.2%
of which commercial	63.3%
of which substitution assets	8.4%
of which derivatives	0.0%
Current OC (EURm)	401.1
Current OC	2.6%
Number of loans	1,696
Number of borrowers	1,646
Share of 10 largest borrowers	19.6%
Avg. exposure to borrowers (EUR)	8,772,296
Number of properties	5,145

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	73.8%
Fixed interest (Covered bonds)	81.0%
WAL (Cover pool)	4.9y
WAL (Covered bonds)	4.6y
Avg. seasoning	4.0y
LTV (Original value)	56.1%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	GBP (103.4)
Share of largest exposure tranche	82.2% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

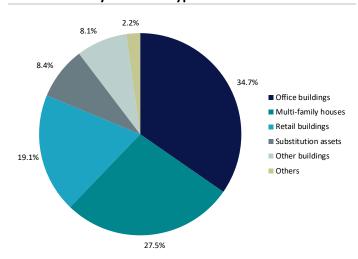
Past development

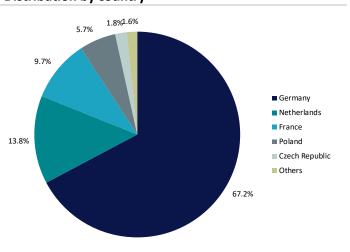


Maturity structure



Distribution by borrower type







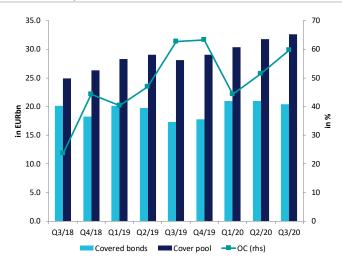
Commerzbank Mortgage

Indicators of the cover pool

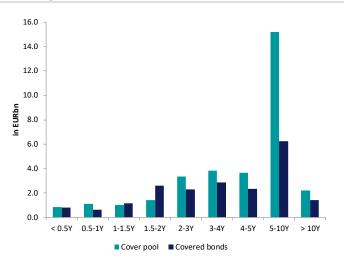
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Covered bonds outstanding (EURm)	20,408.9
Cover pool volume (EURm)	32,614.8
of which residential	94.5%
of which commercial	2.4%
of which substitution assets	3.0%
of which derivatives	0.0%
Current OC (EURm)	12,205.9
Current OC	59.8%
Number of loans	254,746
Number of borrowers	204,790
Share of 10 largest borrowers	1.4%
Avg. exposure to borrowers (EUR)	154,406
Number of properties	229,595

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	98.7%
Fixed interest (Covered bonds)	89.7%
WAL (Cover pool)	5.8y
WAL (Covered bonds)	5.1y
Avg. seasoning	4.7y
LTV (Original value)	52.6%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	76.9% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

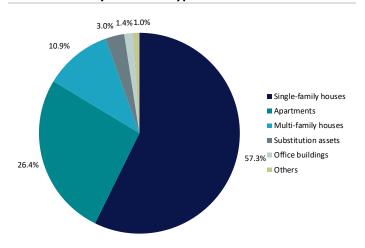
Past development

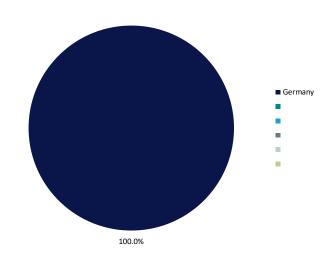


Maturity structure



Distribution by borrower type







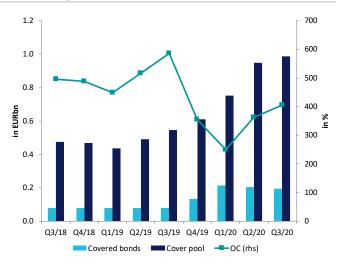
DekaBank Mortgage

Indicators of the cover pool

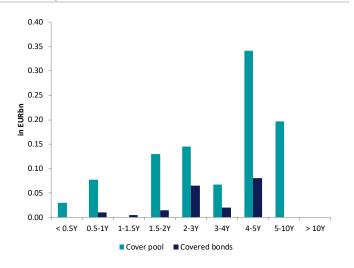
Covered bonds	outstanding (EURm)	195.0
Cover pool vol	ume (EURm)	986.2
of which	residential	0.0%
of which	commercial	96.5%
of which	substitution assets	3.5%
of which	derivatives	0.0%
Current OC (El	JRm)	791.2
Current OC		405.8%
Number of loa	ns	26
Number of bor	rowers	29
Share of 10 lar	gest borrowers	54.8%
Avg. exposure	to borrowers (EUR)	32,800,586
Number of pro	perties	39

Rating (Moody's / Fitch / S&P / DE	BRS) Aaa / - / - / -
Fixed interest (Cover pool)	76.4%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	3.8y
WAL (Covered bonds)	3.1y
Avg. seasoning	3.2y
LTV (Original value)	59.2%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)) n/a
Share of largest exposure tranche	100.0% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

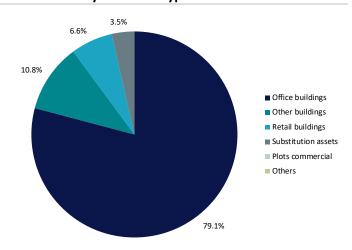
Past development

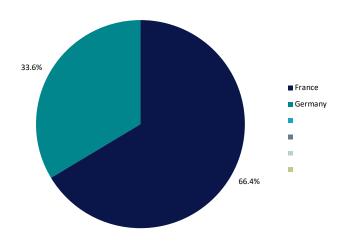


Maturity structure



Distribution by borrower type







Deutsche Apotheker- und Ärztebank

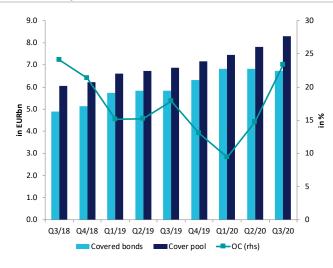
Mortgage

Indicators of the cover pool

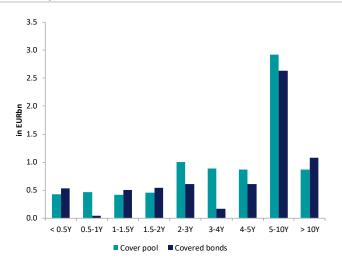
The state of the s	
Covered bonds outstanding (EURm)	6,730.1
Cover pool volume (EURm)	8,299.4
of which residential	75.8%
of which commercial	18.7%
of which substitution assets	5.5%
of which derivatives	0.0%
Current OC (EURm)	1,569.3
Current OC	23.3%
Number of loans	79,794
Number of borrowers	45,827
Share of 10 largest borrowers	5.5%
Avg. exposure to borrowers (EUR)	171,174
Number of properties	59,444

Rating (Moody's / Fitch / S&P / DBRS)	-/-/AAA/-
Fixed interest (Cover pool)	91.8%
Fixed interest (Covered bonds)	90.2%
WAL (Cover pool)	5.2y
WAL (Covered bonds)	7.5y
Avg. seasoning	5.4y
LTV (Original value)	55.2%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	74.0% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

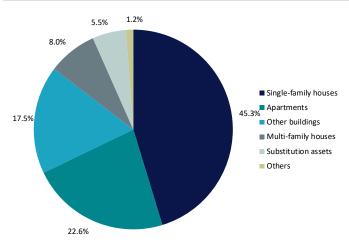
Past development

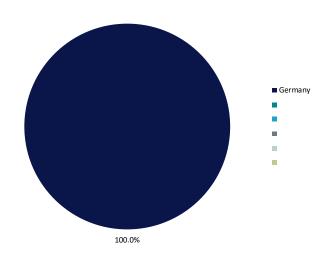


Maturity structure



Distribution by borrower type







Deutsche Bank

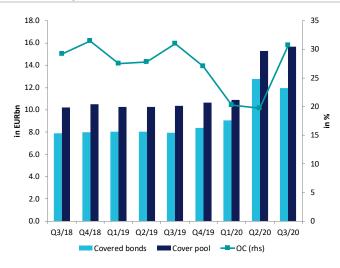
Mortgage

Indicators of the cover pool

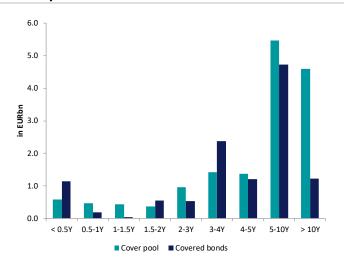
manual or the core. poor	
Covered bonds outstanding (EURm)	11,977.0
Cover pool volume (EURm)	15,659.0
of which residential	86.9%
of which commercial	7.4%
of which substitution assets	5.7%
of which derivatives	0.0%
Current OC (EURm)	3,682.0
Current OC	30.7%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	99.2%
Fixed interest (Covered bonds)	77.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	5.2y
LTV (Original value)	53.8%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	81.0% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

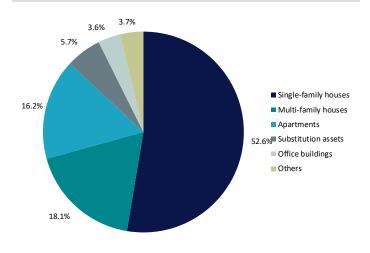
Past development

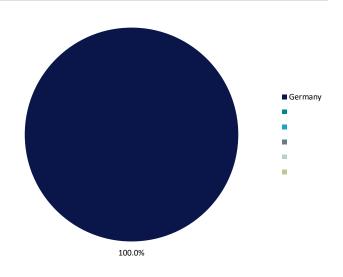


Maturity structure



Distribution by borrower type







Deutsche Hypothekenbank

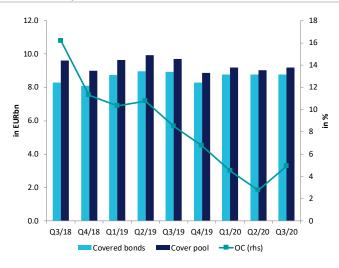
Mortgage

Indicators of the cover pool

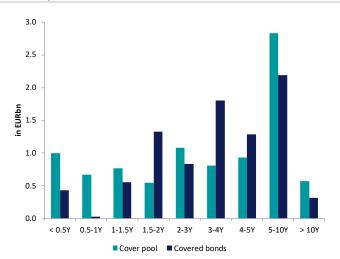
•	
Covered bonds outstanding (EURm)	8,768.2
Cover pool volume (EURm)	9,201.0
of which residential	18.8%
of which commercial	72.1%
of which substitution assets	9.1%
of which derivatives	0.0%
Current OC (EURm)	432.8
Current OC	4.9%
Number of loans	706
Number of borrowers	598
Share of 10 largest borrowers	15.1%
Avg. exposure to borrowers (EUR)	13,986,455
Number of properties	1,897

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	76.7%
Fixed interest (Covered bonds)	89.3%
WAL (Cover pool)	4.2y
WAL (Covered bonds)	4.4y
Avg. seasoning	5.3y
LTV (Original value)	57.9%
LTV (Market value)	38.2%
Largest FX-position (NPV in EURm)	GBP (485.5)
Share of largest exposure tranche	87.0% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

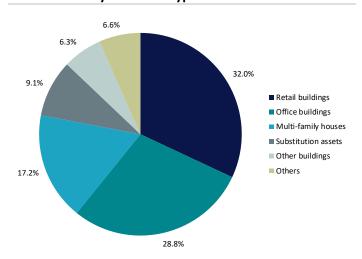
Past development

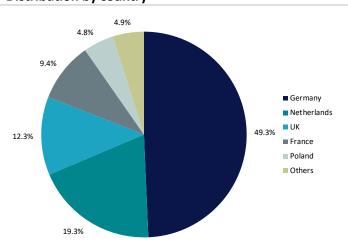


Maturity structure



Distribution by borrower type







Deutsche Kreditbank

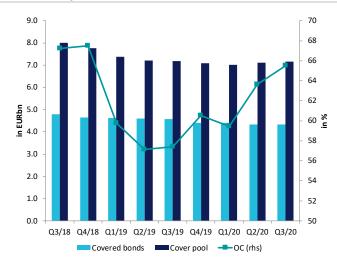
Mortgage

Indicators of the cover pool

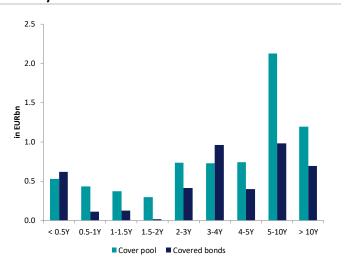
•	
Covered bonds outstanding (EURm)	4,331.5
Cover pool volume (EURm)	7,170.0
of which residential	93.6%
of which commercial	2.1%
of which substitution assets	4.3%
of which derivatives	0.0%
Current OC (EURm)	2,838.5
Current OC	65.5%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	95.0%
Fixed interest (Covered bonds)	98.7%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	9.0y
LTV (Original value)	51.4%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	43.0% (EUR 1-10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

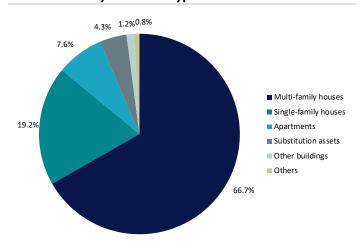
Past development

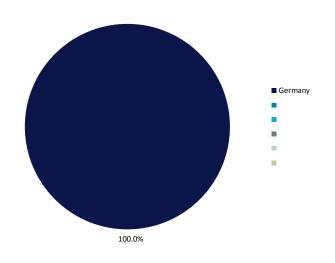


Maturity structure



Distribution by borrower type







Deutsche Pfandbriefbank

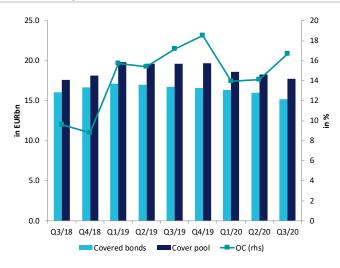
Mortgage

Indicators of the cover pool

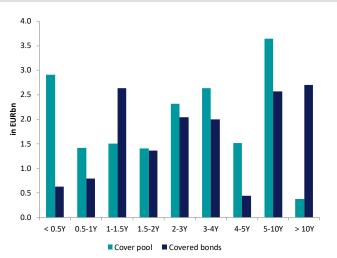
Post	
Covered bonds outstanding (EURm)	15,190.0
Cover pool volume (EURm)	17,724.0
of which residential	18.6%
of which commercial	78.8%
of which substitution assets	2.6%
of which derivatives	0.0%
Current OC (EURm)	2,534.0
Current OC	16.7%
Number of loans	1,840
Number of borrowers	871
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	19,824,340
Number of properties	3,225

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	54.0%
Fixed interest (Covered bonds)	92.7%
WAL (Cover pool)	3.7y
WAL (Covered bonds)	6.1y
Avg. seasoning	4.0y
LTV (Original value)	55.0%
LTV (Market value)	33.0%
Largest FX-position (NPV in EURm)	GBP (1,064.0)
Share of largest exposure tranche	90.7% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

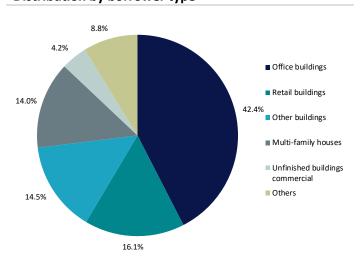
Past development

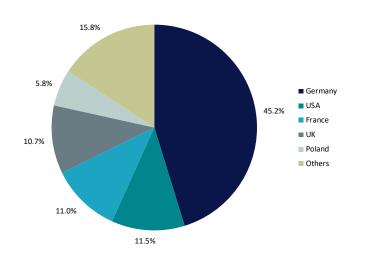


Maturity structure



Distribution by borrower type







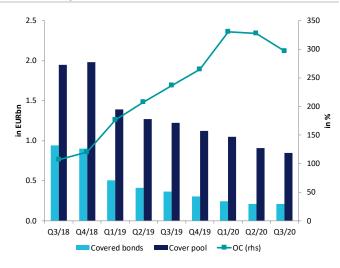
DSK Hyp Mortgage

Indicators of the cover pool

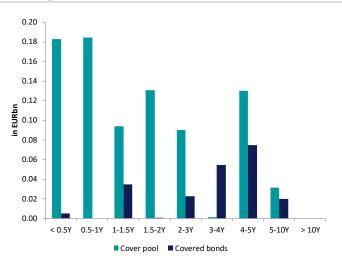
Covered bonds outstanding (EURm)	213.0
Cover pool volume (EURm)	845.0
of which residential	33.6%
of which commercial	64.0%
of which substitution assets	2.4%
of which derivatives	0.0%
Current OC (EURm)	632.0
Current OC	296.7%
Number of loans	83
Number of borrowers	30
Share of 10 largest borrowers	76.8%
Avg. exposure to borrowers (EUR)	27,499,667
Number of properties	257

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	61.4%
Fixed interest (Covered bonds)	94.1%
WAL (Cover pool)	1.8y
WAL (Covered bonds)	3.6y
Avg. seasoning	7.2y
LTV (Original value)	53.5%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	SEK (105.5)
Share of largest exposure tranche	85.2% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

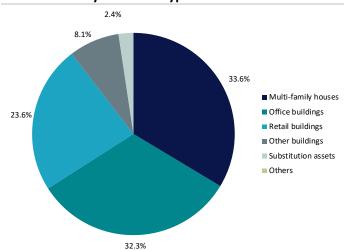
Past development

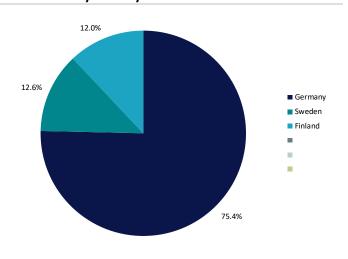


Maturity structure



Distribution by borrower type







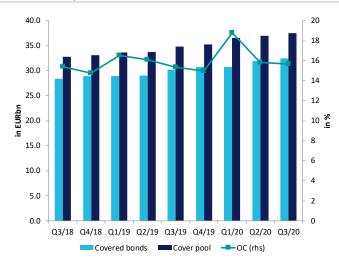
DZ HYP Mortgage

Indicators of the cover pool

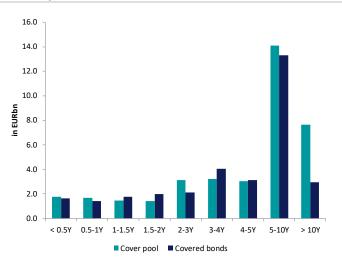
The second secon	
Covered bonds outstanding (EURm)	32,432.8
Cover pool volume (EURm)	37,509.7
of which residential	56.9%
of which commercial	40.7%
of which substitution assets	2.4%
of which derivatives	0.0%
Current OC (EURm)	5,076.9
Current OC	15.7%
Number of loans	110,779
Number of borrowers	154,891
Share of 10 largest borrowers	5.0%
Avg. exposure to borrowers (EUR)	236,351
Number of properties	109,757

Rating (Moody's / Fitch / S&P / DBRS)	-/-/AAA/-
Fixed interest (Cover pool)	88.7%
Fixed interest (Covered bonds)	98.3%
WAL (Cover pool)	7.2y
WAL (Covered bonds)	5.5y
Avg. seasoning	4.7y
LTV (Original value)	54.2%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	GBP (228.8)
Share of largest exposure tranche	38.7% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

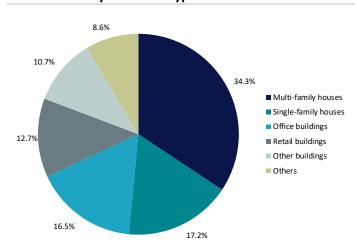
Past development

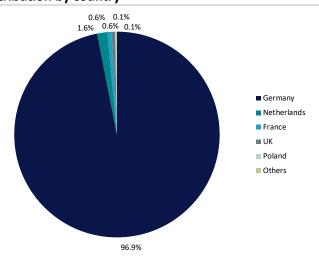


Maturity structure



Distribution by borrower type







Hamburg Commercial Bank

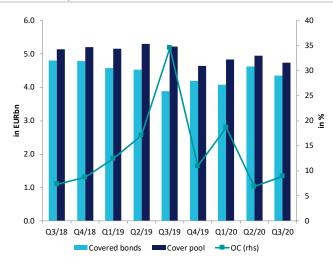
Mortgage

Indicators of the cover pool

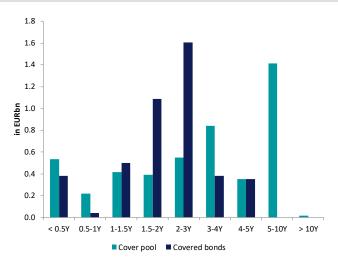
Covered bonds outstanding (EURm)	4,348.8
Cover pool volume (EURm)	4,735.6
of which residential	16.4%
of which commercial	80.3%
of which substitution assets	3.3%
of which derivatives	0.0%
Current OC (EURm)	386.8
Current OC	8.9%
Number of loans	589
Number of borrowers	350
Share of 10 largest borrowers	23.8%
Avg. exposure to borrowers (EUR)	13,087,429
Number of properties	1,097

Rating (Moody's / Fitch / S&P / DBRS)	Aa2 / - / - / -
Fixed interest (Cover pool)	47.8%
Fixed interest (Covered bonds)	79.1%
WAL (Cover pool)	3.6y
WAL (Covered bonds)	2.2y
Avg. seasoning	4.1y
LTV (Original value)	56.9%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	GBP (55.8)
Share of largest exposure tranche	76.3% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

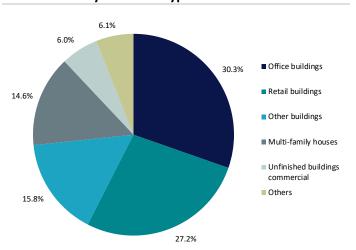
Past development

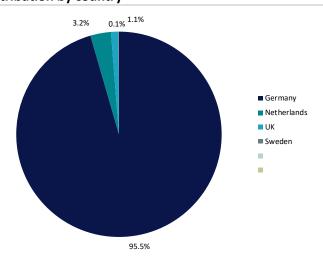


Maturity structure



Distribution by borrower type







Hamburger Sparkasse

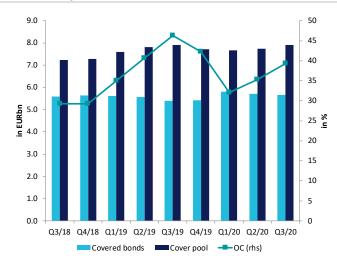
Mortgage

Indicators of the cover pool

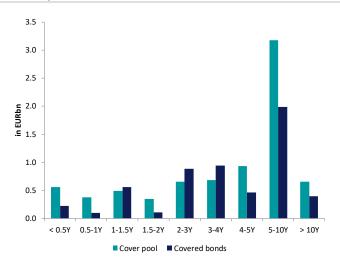
•	
Covered bonds outstanding (EURm)	5,669.7
Cover pool volume (EURm)	7,901.9
of which residential	66.3%
of which commercial	29.9%
of which substitution assets	3.8%
of which derivatives	0.0%
Current OC (EURm)	2,232.2
Current OC	39.4%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	84.3%
Fixed interest (Covered bonds)	99.1%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	6.9y
LTV (Original value)	52.4%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	35.1% (EUR 1-10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

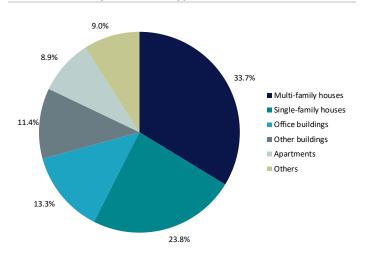
Past development

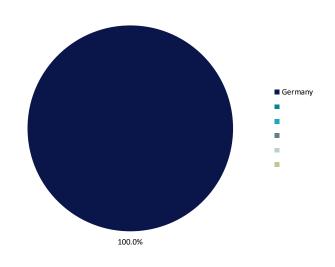


Maturity structure



Distribution by borrower type







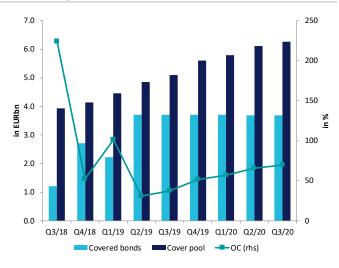
ING-DiBa Mortgage

Indicators of the cover pool

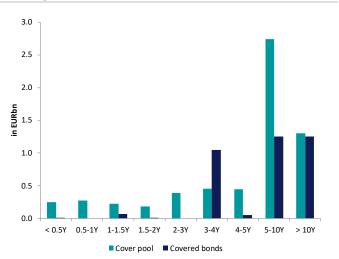
•	
Covered bonds outstanding (EURm)	3,695.0
Cover pool volume (EURm)	6,272.3
of which residential	100.0%
of which commercial	0.0%
of which substitution assets	4.0%
of which derivatives	0.0%
Current OC (EURm)	2,577.3
Current OC	69.8%
Number of loans	65,274
Number of borrowers	64,569
Share of 10 largest borrowers	0.1%
Avg. exposure to borrowers (EUR)	97,141
Number of properties	65,274

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	97.3%
WAL (Cover pool)	6.5y
WAL (Covered bonds)	8.7y
Avg. seasoning	5.4y
LTV (Original value)	47.3%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	99.2% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

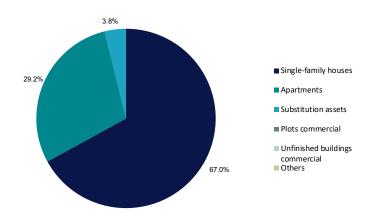
Past development

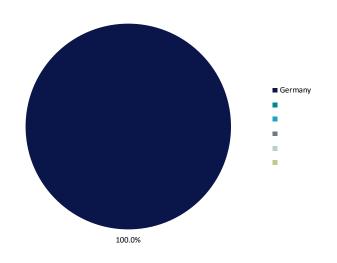


Maturity structure



Distribution by borrower type







Kreissparkasse Köln

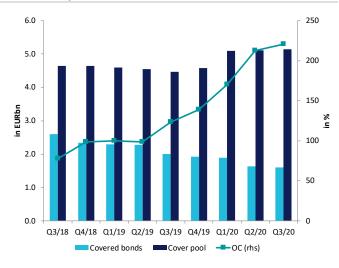
Mortgage

Indicators of the cover pool

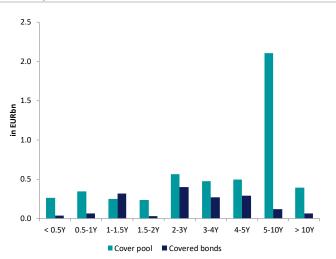
Covered bonds outstanding (EURm)	1,603.3
Cover pool volume (EURm)	5,141.4
of which residential	80.5%
of which commercial	13.4%
of which substitution assets	6.1%
of which derivatives	0.0%
Current OC (EURm)	3,538.1
Current OC	220.7%
Number of loans	42,267
Number of borrowers	32,665
Share of 10 largest borrowers	2.1%
Avg. exposure to borrowers (EUR)	147,785
Number of properties	37,251

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	96.9%
WAL (Cover pool)	5.2y
WAL (Covered bonds)	3.4y
Avg. seasoning	5.7y
LTV (Original value)	52.4%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	68.9% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

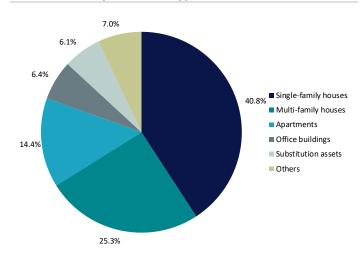
Past development

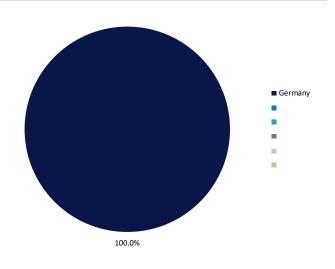


Maturity structure



Distribution by borrower type







Landesbank Baden-Württemberg

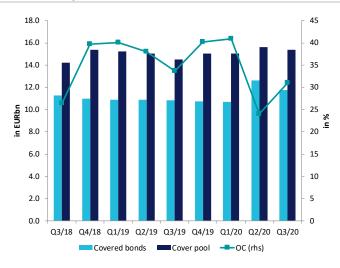
Mortgage

Indicators of the cover pool

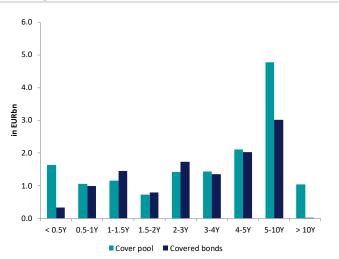
The second secon	
Covered bonds outstanding (EURm)	11,747.6
Cover pool volume (EURm)	15,389.3
of which residential	38.5%
of which commercial	55.8%
of which substitution assets	5.7%
of which derivatives	0.0%
Current OC (EURm)	3,641.6
Current OC	31.0%
Number of loans	36,495
Number of borrowers	27,778
Share of 10 largest borrowers	14.2%
Avg. exposure to borrowers (EUR)	522,243
Number of properties	32,811

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	75.0%
Fixed interest (Covered bonds)	74.8%
WAL (Cover pool)	4.6y
WAL (Covered bonds)	3.6y
Avg. seasoning	5.5y
LTV (Original value)	55.2%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	USD (844.1)
Share of largest exposure tranche	59.4% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

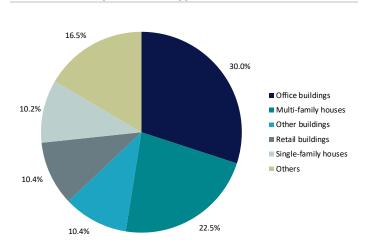
Past development

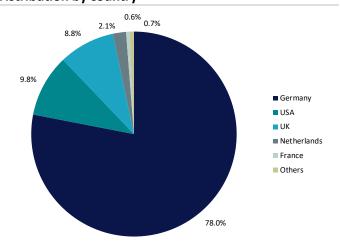


Maturity structure



Distribution by borrower type







Landesbank Berlin

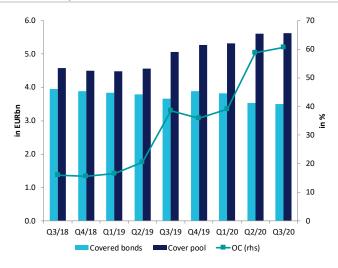
Mortgage

Indicators of the cover pool

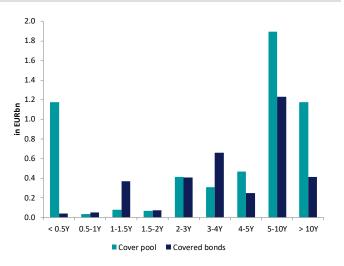
Covered bonds outstanding (EURm)	3,500.0
Cover pool volume (EURm)	5,622.4
of which residential	62.4%
of which commercial	32.1%
of which substitution assets	5.5%
of which derivatives	0.0%
Current OC (EURm)	2,122.4
Current OC	60.6%
Number of loans	6,501
Number of borrowers	5,837
Share of 10 largest borrowers	23.0%
Avg. exposure to borrowers (EUR)	910,129
Number of properties	6,883

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	86.0%
Fixed interest (Covered bonds)	96.0%
WAL (Cover pool)	8.1y
WAL (Covered bonds)	5.4y
Avg. seasoning	4.0y
LTV (Original value)	55.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	62.9% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

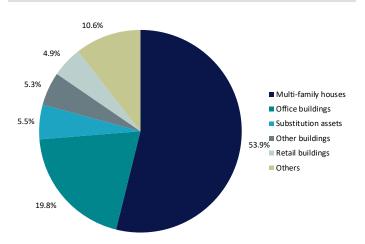
Past development

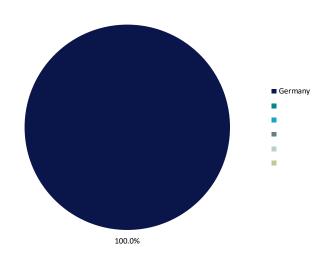


Maturity structure



Distribution by borrower type







Landesbank Hessen-Thüringen

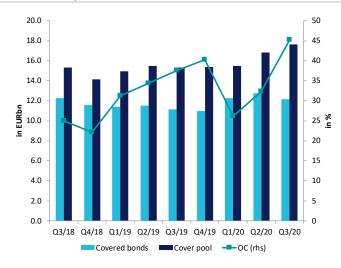
Mortgage

Indicators of the cover pool

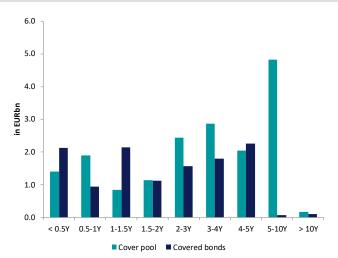
Covered bonds outstanding (EURm)	12,142.1
Cover pool volume (EURm)	17,629.0
of which residential	23.5%
of which commercial	67.4%
of which substitution assets	9.1%
of which derivatives	0.0%
Current OC (EURm)	5,486.9
Current OC	45.2%
Number of loans	6,857
Number of borrowers	5,619
Share of 10 largest borrowers	8.8%
Avg. exposure to borrowers (EUR)	2,852,500
Number of properties	7,935

Rating (Moody's / Fitch / S&P / DBRS)	-/AAA/-/-
Fixed interest (Cover pool)	61.0%
Fixed interest (Covered bonds)	82.3%
WAL (Cover pool)	3.7y
WAL (Covered bonds)	2.3y
Avg. seasoning	4.2y
LTV (Original value)	59.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	USD (2,249.3)
Share of largest exposure tranche	89.2% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

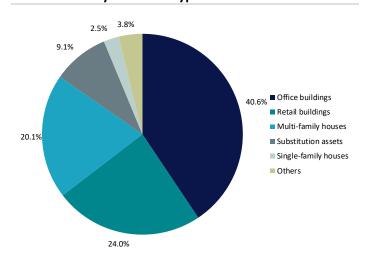
Past development

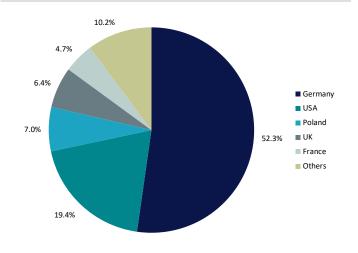


Maturity structure



Distribution by borrower type







M.M.Warburg & CO Hypothekenbank

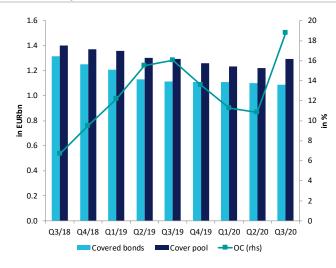
Mortgage

Indicators of the cover pool

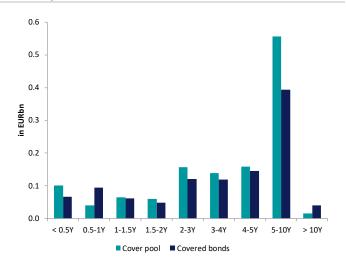
The state of the s	
Covered bonds outstanding (EURm)	1,089.9
Cover pool volume (EURm)	1,294.7
of which residential	18.0%
of which commercial	76.9%
of which substitution assets	5.1%
of which derivatives	0.0%
Current OC (EURm)	204.8
Current OC	18.8%
Number of loans	324
Number of borrowers	203
Share of 10 largest borrowers	23.5%
Avg. exposure to borrowers (EUR)	6,049,754
Number of properties	359

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	94.9%
Fixed interest (Covered bonds)	97.0%
WAL (Cover pool)	4.5y
WAL (Covered bonds)	4.6y
Avg. seasoning	5.3y
LTV (Original value)	56.7%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	54.3% (EUR 1-10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

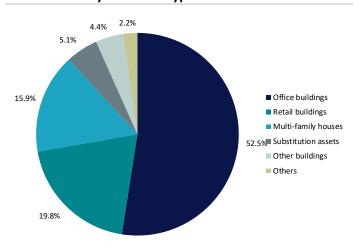
Past development

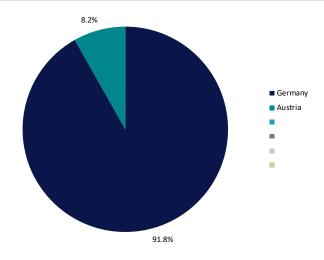


Maturity structure



Distribution by borrower type







Münchener Hypothekenbank

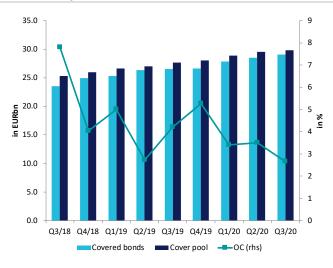
Mortgage

Indicators of the cover pool

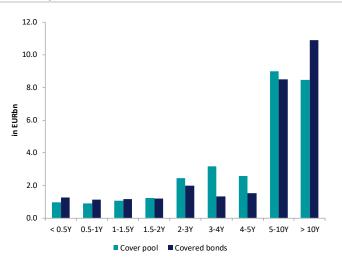
mandatore or the corter poor	
Covered bonds outstanding (EURm)	29,033.5
Cover pool volume (EURm)	29,803.2
of which residential	80.4%
of which commercial	17.3%
of which substitution assets	2.4%
of which derivatives	0.0%
Current OC (EURm)	769.7
Current OC	2.7%
Number of loans	189,836
Number of borrowers	166,459
Share of 10 largest borrowers	2.4%
Avg. exposure to borrowers (EUR)	174,835
Number of properties	177,424

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	96.0%
Fixed interest (Covered bonds)	87.0%
WAL (Cover pool)	8.0y
WAL (Covered bonds)	8.0y
Avg. seasoning	5.0y
LTV (Original value)	52.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	CHF (1,216.9)
Share of largest exposure tranche	60.8% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.04%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

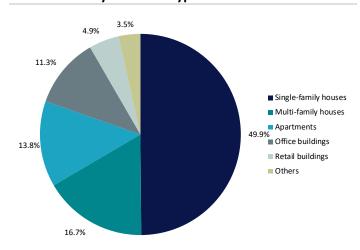
Past development

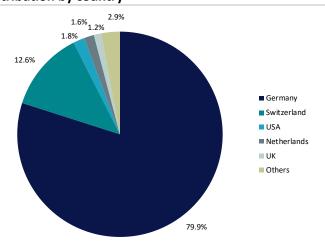


Maturity structure



Distribution by borrower type







Natixis Pfandbriefbank

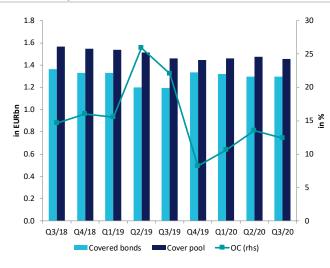
Mortgage

Indicators of the cover pool

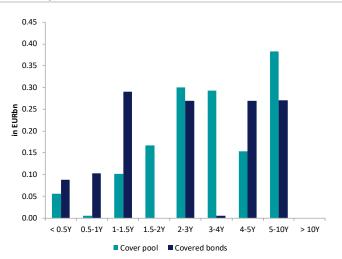
•	
Covered bonds outstanding (EURm)	1,297.5
Cover pool volume (EURm)	1,458.5
of which residential	5.9%
of which commercial	82.8%
of which substitution assets	11.3%
of which derivatives	0.0%
Current OC (EURm)	161.0
Current OC	12.4%
Number of loans	63
Number of borrowers	121
Share of 10 largest borrowers	24.9%
Avg. exposure to borrowers (EUR)	10,689,835
Number of properties	222

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	41.2%
Fixed interest (Covered bonds)	95.1%
WAL (Cover pool)	3.7y
WAL (Covered bonds)	3.1y
Avg. seasoning	3.6y
LTV (Original value)	58.1%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	93.7% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

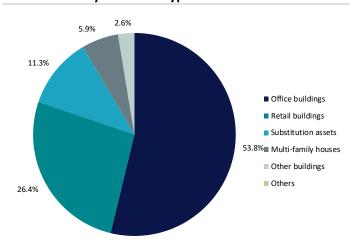
Past development

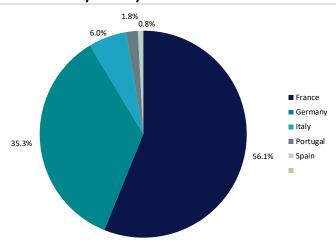


Maturity structure



Distribution by borrower type







Norddeutsche Landesbank

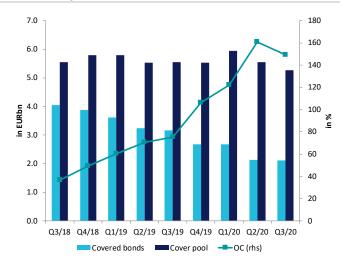
Mortgage

Indicators of the cover pool

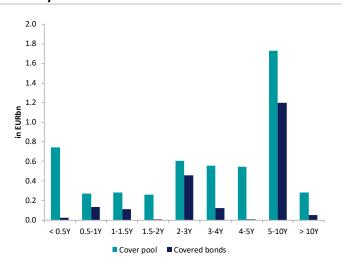
The second secon	
Covered bonds outstanding (EURm)	2,114.2
Cover pool volume (EURm)	5,272.6
of which residential	68.8%
of which commercial	28.4%
of which substitution assets	2.8%
of which derivatives	0.0%
Current OC (EURm)	3,158.4
Current OC	149.4%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	76.9%
Fixed interest (Covered bonds)	83.3%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	7.4y
LTV (Original value)	60.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	CHF (16.5)
Share of largest exposure tranche	41.1% (EUR 1-10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

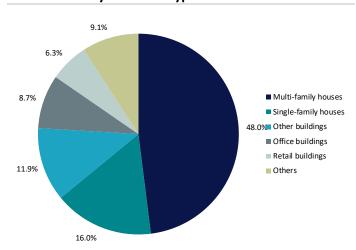
Past development

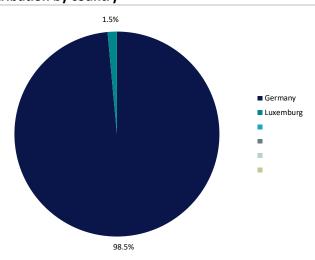


Maturity structure



Distribution by borrower type







PSD Bank Nürnberg

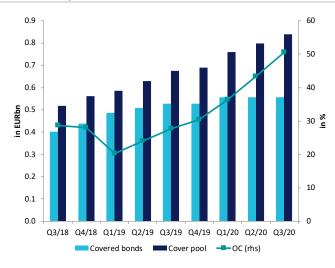
Mortgage

Indicators of the cover pool

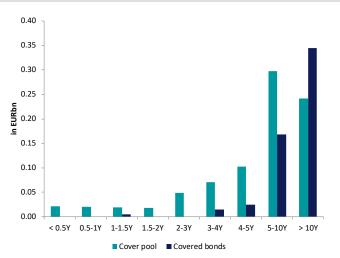
Covered bonds outstanding (EURm)	557.6
Cover pool volume (EURm)	839.9
of which residential	97.3%
of which commercial	0.0%
of which substitution assets	2.7%
of which derivatives	0.0%
Current OC (EURm)	282.3
Current OC	50.6%
Number of loans	8,675
Number of borrowers	6,930
Share of 10 largest borrowers	0.6%
Avg. exposure to borrowers (EUR)	117,882
Number of properties	8,004

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	7.6y
WAL (Covered bonds)	12.5y
Avg. seasoning	3.9y
LTV (Original value)	51.9%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	99.6% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

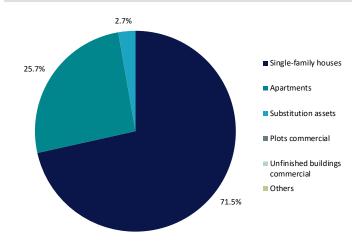
Past development

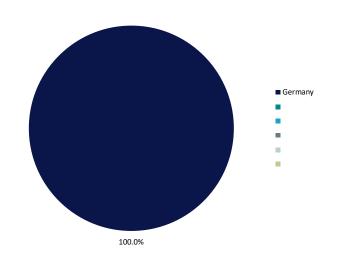


Maturity structure



Distribution by borrower type







PSD Bank Rhein-Ruhr

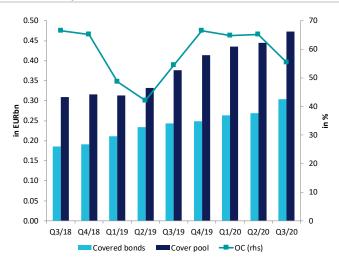
Mortgage

Indicators of the cover pool

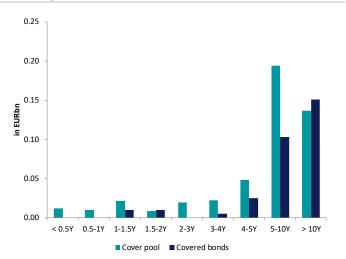
Covered bonds outstanding (EURm)	304.0
Cover pool volume (EURm)	472.5
of which residential	97.5%
of which commercial	0.0%
of which substitution assets	2.5%
of which derivatives	0.0%
Current OC (EURm)	168.5
Current OC	55.4%
Number of loans	4,865
Number of borrowers	4,011
Share of 10 largest borrowers	1.4%
Avg. exposure to borrowers (EUR)	114,800
Number of properties	4,220

-/-/-
100.0%
100.0%
7.5y
9.6y
3.8y
50.7%
n/a
n/a
94.9% (< EUR 0.3m)
0.00%
-
-

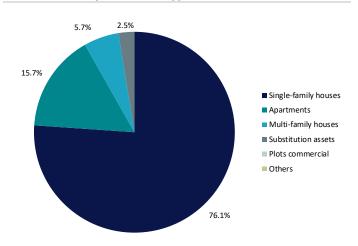
Past development

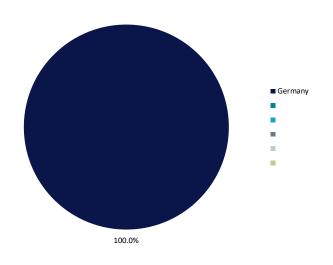


Maturity structure



Distribution by borrower type







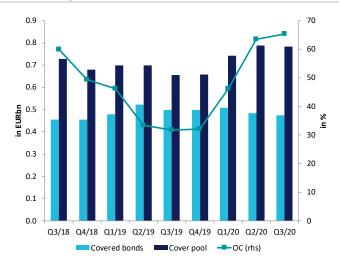
SaarLB Mortgage

Indicators of the cover pool

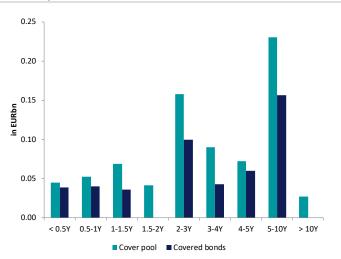
Covered bonds outstanding (EURm)	474.5
Cover pool volume (EURm)	784.9
of which residential	1.4%
of which commercial	92.5%
of which substitution assets	6.2%
of which derivatives	0.0%
Current OC (EURm)	310.4
Current OC	65.4%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	78.6%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	5.3y
LTV (Original value)	52.8%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	55.4% (> EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

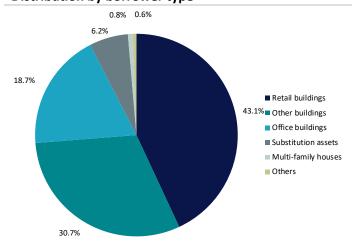
Past development

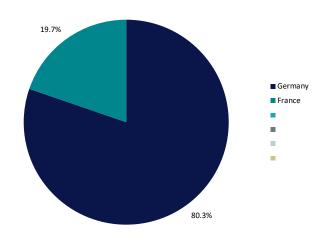


Maturity structure



Distribution by borrower type







Santander Consumer Bank

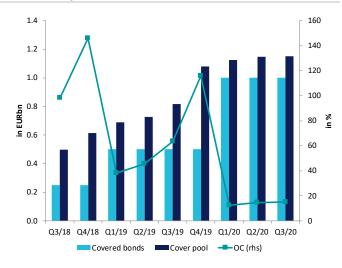
Mortgage

Indicators of the cover pool

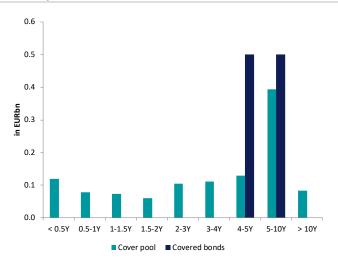
Covered bonds outstanding (EURm)	1,000.0
Cover pool volume (EURm)	1,149.8
of which residential	95.7%
of which commercial	0.0%
of which substitution assets	4.3%
of which derivatives	0.0%
Current OC (EURm)	149.8
Current OC	15.0%
Number of loans	19,132
Number of borrowers	23,145
Share of 10 largest borrowers	0.4%
Avg. exposure to borrowers (EUR)	47,518
Number of properties	13,677

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / AAA / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	4.6y
WAL (Covered bonds)	6.8y
Avg. seasoning	7.3y
LTV (Original value)	45.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	98.3% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

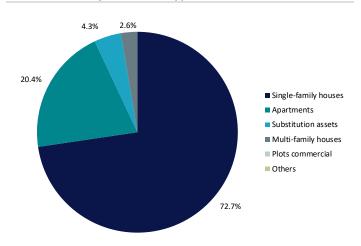
Past development

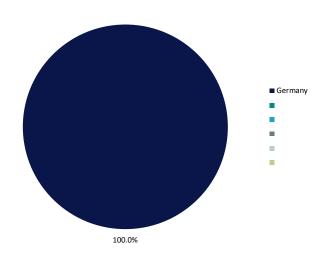


Maturity structure



Distribution by borrower type







Sparkasse Hannover

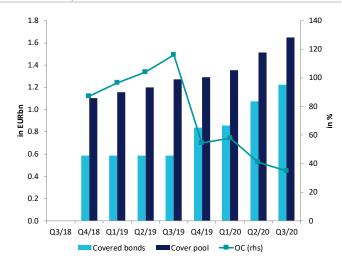
Mortgage

Indicators of the cover pool

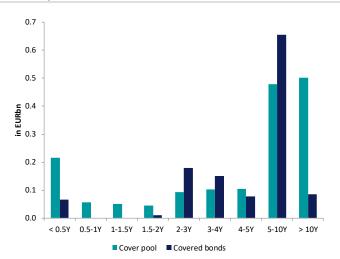
manual or the costs. poor	
Covered bonds outstanding (EURm)	1,223.1
Cover pool volume (EURm)	1,648.5
of which residential	77.7%
of which commercial	18.1%
of which substitution assets	4.2%
of which derivatives	0.0%
Current OC (EURm)	425.4
Current OC	34.8%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	- / AAA / - / -
Fixed interest (Cover pool)	89.4%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	4.2y
LTV (Original value)	56.4%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	62.9% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

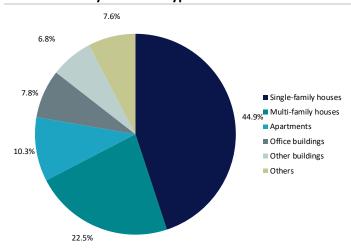
Past development

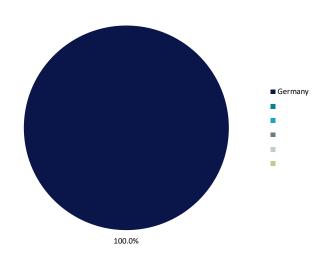


Maturity structure



Distribution by borrower type







Sparkasse KölnBonn

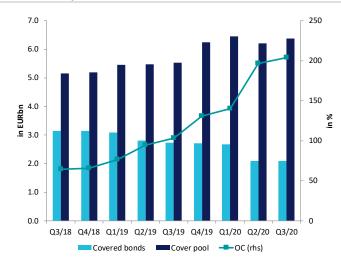
Mortgage

Indicators of the cover pool

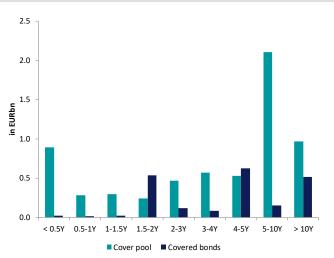
•	
Covered bonds outstanding (EURm)	2,095.7
Cover pool volume (EURm)	6,375.9
of which residential	71.4%
of which commercial	19.6%
of which substitution assets	8.9%
of which derivatives	0.0%
Current OC (EURm)	4,280.3
Current OC	204.2%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	0.0%
Fixed interest (Covered bonds)	0.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	n/a
LTV (Original value)	0.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	51.3% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

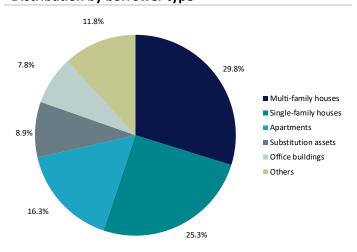
Past development

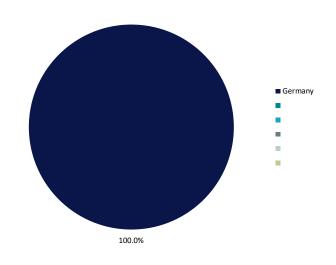


Maturity structure



Distribution by borrower type







Stadtsparkasse Düsseldorf

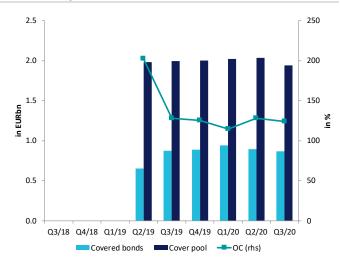
Mortgage

Indicators of the cover pool

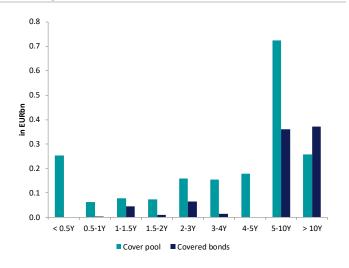
mandatore of the corter poor	
Covered bonds outstanding (EURm)	867.0
Cover pool volume (EURm)	1,942.8
of which residential	69.8%
of which commercial	27.4%
of which substitution assets	2.8%
of which derivatives	0.0%
Current OC (EURm)	1,075.8
Current OC	124.1%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a
Number of properties	n/a

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	93.1%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Avg. seasoning	6.2y
LTV (Original value)	56.0%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	43.8% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

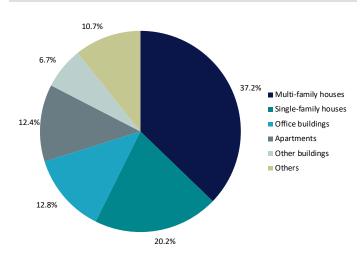
Past development

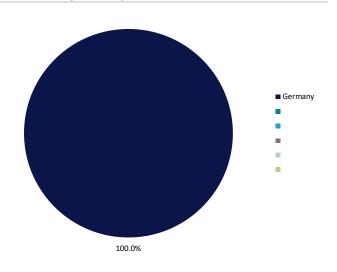


Maturity structure



Distribution by borrower type







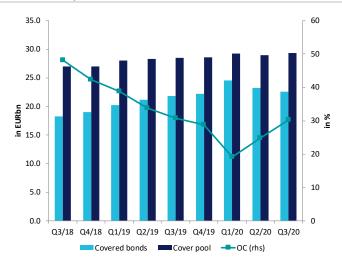
UniCredit Bank Mortgage

Indicators of the cover pool

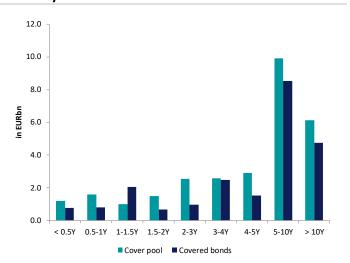
Covered bonds outstanding (EURm)	22,573.5
Cover pool volume (EURm)	29,393.9
of which residential	68.2%
of which commercial	29.5%
of which substitution assets	2.3%
of which derivatives	0.0%
Current OC (EURm)	6,820.4
Current OC	30.2%
Number of loans	151,592
Number of borrowers	114,902
Share of 10 largest borrowers	7.9%
Avg. exposure to borrowers (EUR)	250,023
Number of properties	139,869

Aaa / AAA / - / -
80.9%
95.4%
6.8y
6.9y
7.0y
42.1%
n/a
n/a
37.9% (< EUR 0.3m)
0.00%
Level 1 / 7%
10%

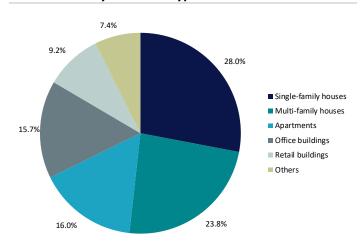
Past development

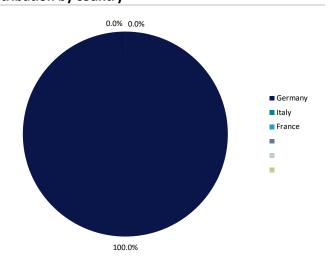


Maturity structure



Distribution by borrower type







Wüstenrot Bausparkasse

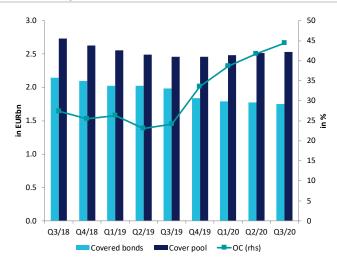
Mortgage

Indicators of the cover pool

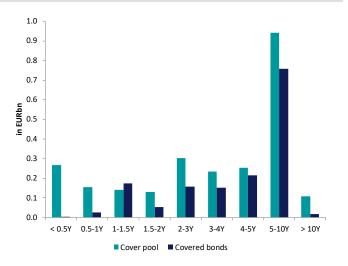
•	
Covered bonds outstanding (EURm)	1,751.6
Cover pool volume (EURm)	2,530.3
of which residential	92.6%
of which commercial	1.1%
of which substitution assets	6.3%
of which derivatives	0.0%
Current OC (EURm)	778.7
Current OC	44.5%
Number of loans	35,448
Number of borrowers	31,809
Share of 10 largest borrowers	2.3%
Avg. exposure to borrowers (EUR)	74,516
Number of properties	33,740

Rating (Moody's / Fitch / S&P / DBRS)	-/-/AAA/-
Fixed interest (Cover pool)	99.3%
Fixed interest (Covered bonds)	97.7%
WAL (Cover pool)	4.5y
WAL (Covered bonds)	5.1y
Avg. seasoning	11.4y
LTV (Original value)	44.4%
LTV (Market value)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	88.5% (< EUR 0.3m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

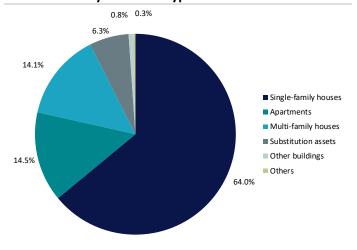
Past development

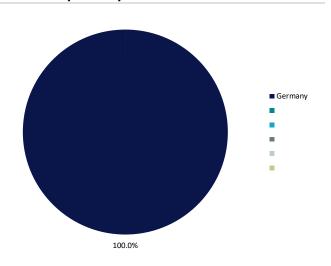


Maturity structure



Distribution by borrower type







Public sector covered bonds



Aareal Bank

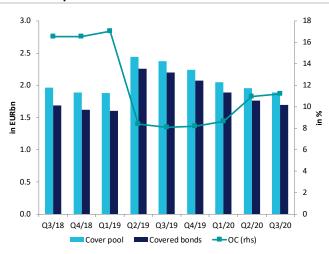
Public sector

Indicators of the cover pool

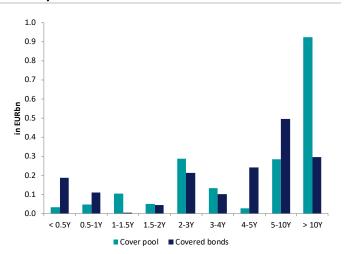
Covered bonds outstanding (EURm)	1,696.1
Cover pool volume (EURm)	1,886.0
of which substitution assets	0.8%
of which derivatives	0.0%
Current OC (EURm)	189.9
Current OC	11.2%
Number of loans	198
Number of borrowers	109
Share of 10 largest borrowers	76.1%
Avg. exposure to borrowers (EUR)	17,165,138

Rating (Moody's / Fitch / S&P / DBRS) -/-/-/-Fixed interest (Cover pool) 88.5% Fixed interest (Covered bonds) 86.4% WAL (Cover pool) 9.1y WAL (Covered bonds) 5.6y Largest FX-position (NPV in EURm) n/a 62.6% (> EUR 100m) Share of largest exposure tranche Loans in arrears (> 90 days) 0.00% LCR level / haircut (Benchmarks) Risk weight (Benchmarks)

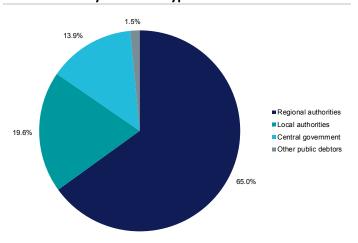
Past development

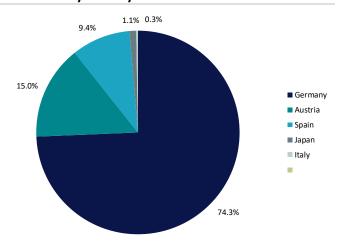


Maturity structure



Distribution by borrower type







Bayerische Landesbank

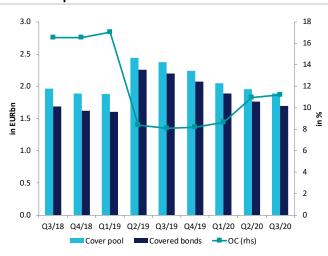
Public sector

Indicators of the cover pool

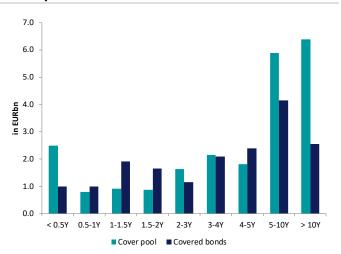
Covered bonds outstanding (EURm)	17,853.1
Cover pool volume (EURm)	22,901.9
of which substitution assets	1.7%
of which derivatives	0.0%
Current OC (EURm)	5,048.8
Current OC	28.3%
Number of loans	84,787
Number of borrowers	56,267
Share of 10 largest borrowers	24.3%
Avg. exposure to borrowers (EUR)	400,046

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / AAA / - / -
Fixed interest (Cover pool)	92.4%
Fixed interest (Covered bonds)	92.3%
WAL (Cover pool)	9.0y
WAL (Covered bonds)	6.0y
Largest FX-position (NPV in EURm)	GBP (669.4)
Share of largest exposure tranche	58.7% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

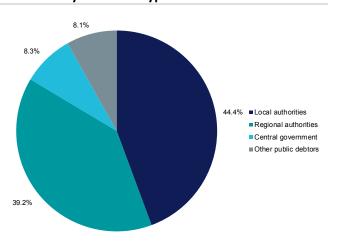
Past development

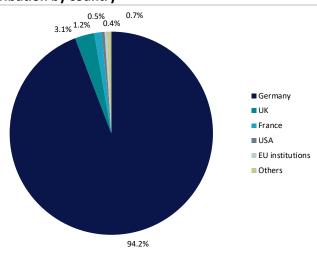


Maturity structure



Distribution by borrower type







Berlin Hyp

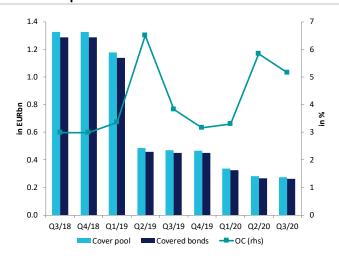
Public sector

Indicators of the cover pool

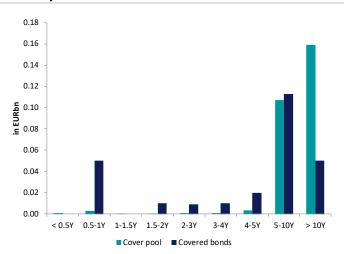
Covered bonds outstanding (EURm)	262.0
Cover pool volume (EURm)	275.5
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	13.5
Current OC	5.2%
Number of loans	57
Number of borrowers	67
Share of 10 largest borrowers	95.5%
Avg. exposure to borrowers (EUR)	4,111,940

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	12.7y
WAL (Covered bonds)	6.2y
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	96.0% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

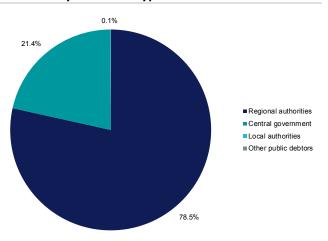
Past development

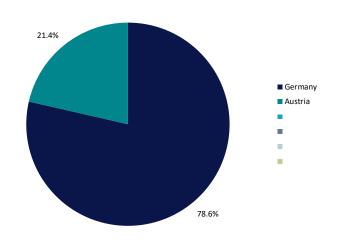


Maturity structure



Distribution by borrower type







Commerzbank

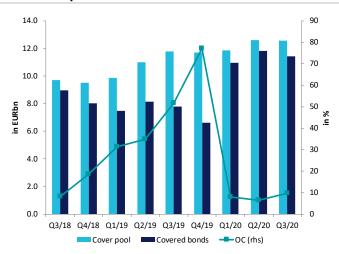
Public sector

Indicators of the cover pool

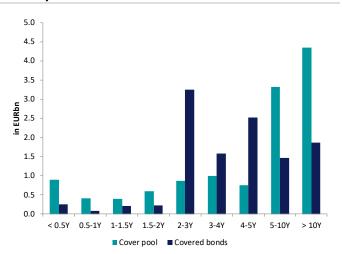
Covered bonds outstanding (EURm)	11,436.4
Cover pool volume (EURm)	12,556.7
of which substitution assets	0.6%
of which derivatives	0.0%
Current OC (EURm)	1,120.4
Current OC	9.8%
Number of loans	752
Number of borrowers	377
Share of 10 largest borrowers	32.3%
Avg. exposure to borrowers (EUR)	33,107,626

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	72.3%
Fixed interest (Covered bonds)	44.5%
WAL (Cover pool)	11.3y
WAL (Covered bonds)	5.5y
Largest FX-position (NPV in EURm)	GBP (3,203.5)
Share of largest exposure tranche	66.0% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

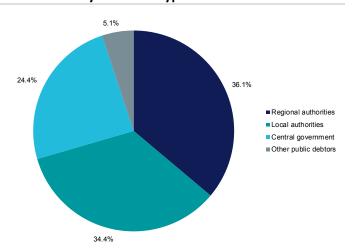
Past development

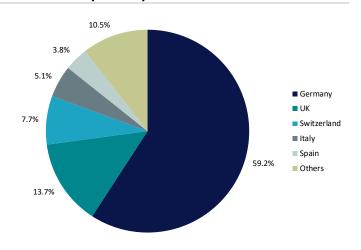


Maturity structure



Distribution by borrower type







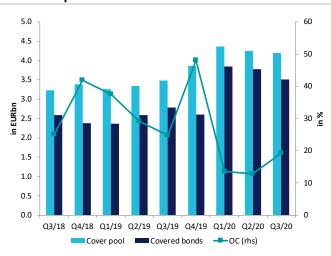
DekaBank Public sector

Indicators of the cover pool

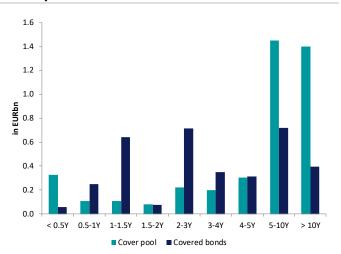
Covered bonds outstanding (EURm)	3,515.8
Cover pool volume (EURm)	4,193.1
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	677.3
Current OC	19.3%
Number of loans	248
Number of borrowers	87
Share of 10 largest borrowers	36.4%
Avg. exposure to borrowers (EUR)	48,196,644

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	80.7%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	6.4y
WAL (Covered bonds)	4.8y
Largest FX-position (NPV in EURm)	USD (149.1)
Share of largest exposure tranche	55.6% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

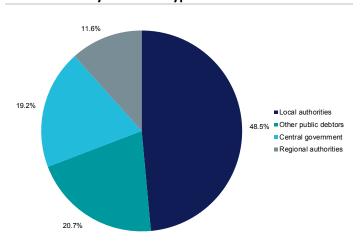
Past development



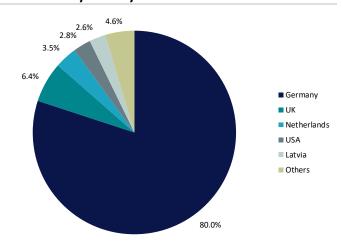
Maturity structure



Distribution by borrower type



Distribution by country





Deutsche Bank

Public sector

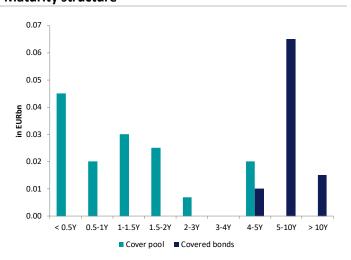
Indicators of the cover pool

Covered bonds outstanding (EURm)	90.0	Rating (Moody's / Fitch / S&P / DBRS)	-/-/-
Cover pool volume (EURm)	147.0	Fixed interest (Cover pool)	100.0%
of which substitution assets	0.0%	Fixed interest (Covered bonds)	100.0%
of which derivatives	0.0%	WAL (Cover pool)	n/a
Current OC (EURm)	57.0	WAL (Covered bonds)	n/a
Current OC	63.3%	Largest FX-position (NPV in EURm)	n/a
Number of loans	n/a	Share of largest exposure tranche	95.2% (EUR 10-100m)
Number of borrowers	n/a	Loans in arrears (> 90 days)	0.00%
Share of 10 largest borrowers	n/a	LCR level / haircut (Benchmarks)	-
Avg. exposure to borrowers (EUR)	n/a	Risk weight (Benchmarks)	-

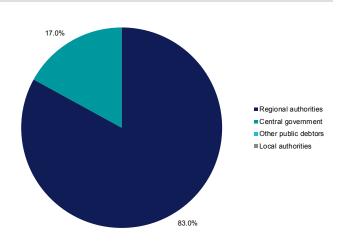
Past development

0.35 0.30 0.25 0.20 0.10 0.10 0.05 0.00 0.3/18 Q4/18 Q1/19 Q2/19 Q3/19 Q4/19 Q1/20 Q2/20 Q3/20 0.00 Cover pool Covered bonds --- OC (rhs)

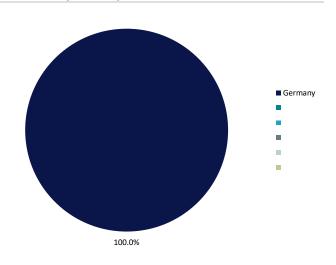
Maturity structure



Distribution by borrower type



Distribution by country





Deutsche Hypothekenbank

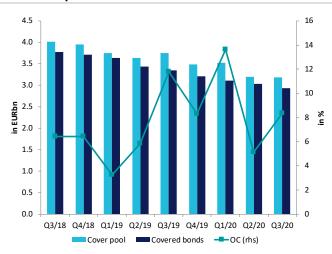
Public sector

Indicators of the cover pool

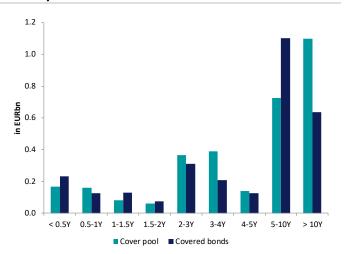
Covered bonds outstanding (EURm)	2,938.7
Cover pool volume (EURm)	3,183.9
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	245.2
Current OC	8.3%
Number of loans	126
Number of borrowers	65
Share of 10 largest borrowers	62.0%
Avg. exposure to borrowers (EUR)	48,983,077

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	83.3%
Fixed interest (Covered bonds)	88.7%
WAL (Cover pool)	8.5y
WAL (Covered bonds)	6.4y
Largest FX-position (NPV in EURm)	GBP (119.4)
Share of largest exposure tranche	90.3% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

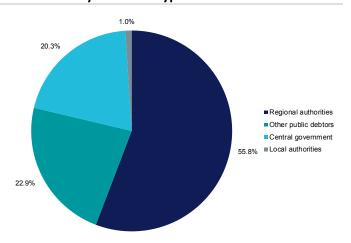
Past development



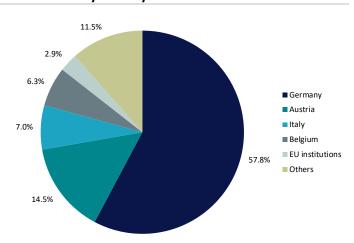
Maturity structure



Distribution by borrower type



Distribution by country





Deutsche Kreditbank

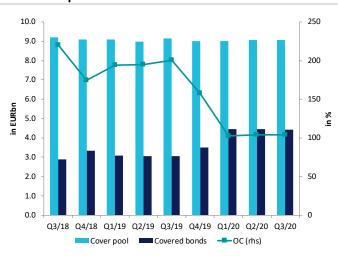
Public sector

Indicators of the cover pool

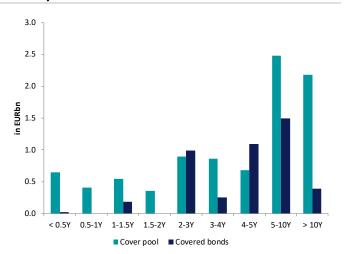
Covered bonds outstanding (EURm)	4,433.3
Cover pool volume (EURm)	9,050.0
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	4,616.7
Current OC	104.1%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	95.2%
Fixed interest (Covered bonds)	98.2%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	48.7% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

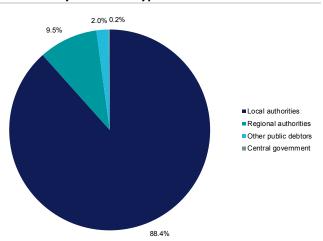
Past development



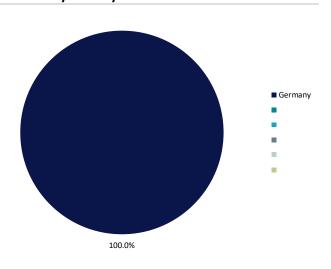
Maturity structure



Distribution by borrower type



Distribution by country





Deutsche Pfandbriefbank

Public sector

Indicators of the cover pool

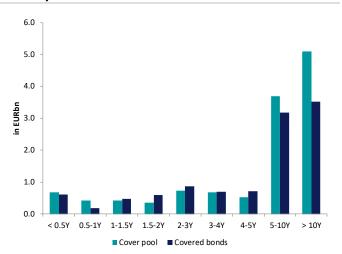
Covered bonds outstanding (EURm)	10,813.0
Cover pool volume (EURm)	12,563.0
of which substitution assets	0.4%
of which derivatives	0.0%
Current OC (EURm)	1,750.0
Current OC	16.2%
Number of loans	569
Number of borrowers	238
Share of 10 largest borrowers	53.2%
Avg. exposure to borrowers (EUR)	52,584,034

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	69.0%
Fixed interest (Covered bonds)	79.6%
WAL (Cover pool)	9.0y
WAL (Covered bonds)	7.7y
Largest FX-position (NPV in EURm)	USD (622.0)
Share of largest exposure tranche	66.4% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

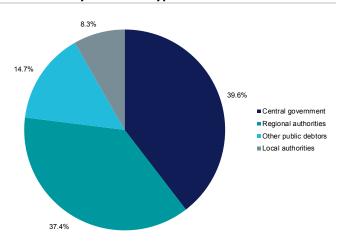
Past development

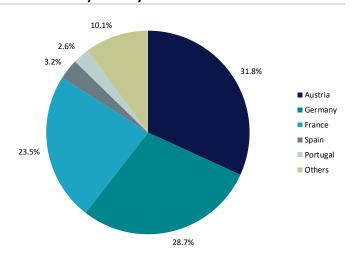


Maturity structure



Distribution by borrower type







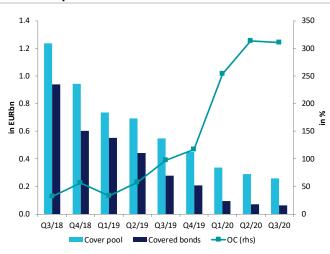
DSK Hyp Public sector

Indicators of the cover pool

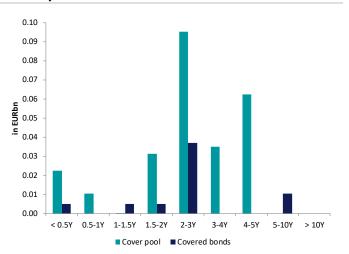
Covered bonds outstanding (EURm)	62.5
Cover pool volume (EURm)	256.8
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	194.3
Current OC	310.9%
Number of loans	6
Number of borrowers	5
Share of 10 largest borrowers	40.8%
Avg. exposure to borrowers (EUR)	51,362,400

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	80.5%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	2.8y
WAL (Covered bonds)	3.1y
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	76.0% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

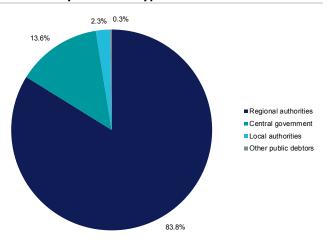
Past development

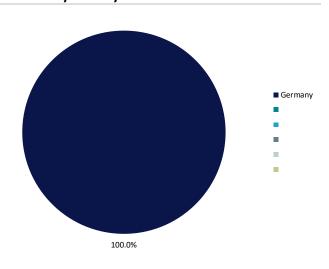


Maturity structure



Distribution by borrower type







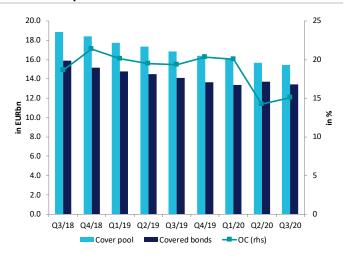
DZ HYP Public sector

Indicators of the cover pool

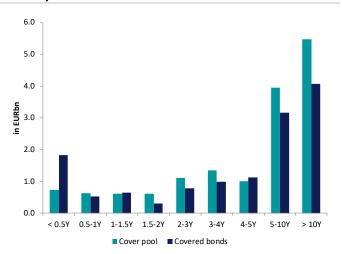
Covered bonds outstanding (EURm)	13,424.1
Cover pool volume (EURm)	15,444.7
of which substitution assets	0.4%
of which derivatives	0.0%
Current OC (EURm)	2,020.6
Current OC	15.1%
Number of loans	18,090
Number of borrowers	5,221
Share of 10 largest borrowers	15.7%
Avg. exposure to borrowers (EUR)	2,958,190

Rating (Moody's / Fitch / S&P / DBRS)	- / - / AAA / -
Fixed interest (Cover pool)	96.1%
Fixed interest (Covered bonds)	95.6%
WAL (Cover pool)	8.5y
WAL (Covered bonds)	7.4y
Largest FX-position (NPV in EURm)	USD (147.6)
Share of largest exposure tranche	38.5% (< EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

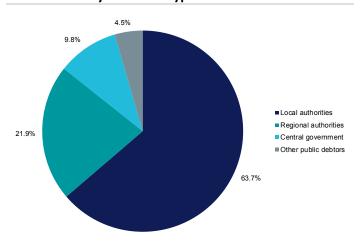
Past development

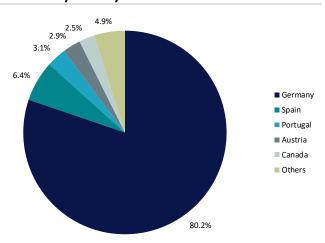


Maturity structure



Distribution by borrower type







Hamburg Commercial Bank

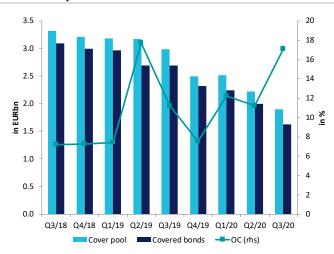
Public sector

Indicators of the cover pool

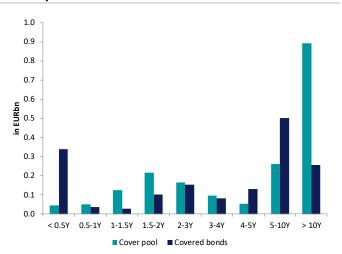
Covered bonds outstanding (EURm)	1,626.1
G , ,	1,020.1
Cover pool volume (EURm)	1,903.7
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	277.6
Current OC	17.1%
Number of loans	115
Number of borrowers	66
Share of 10 largest borrowers	75.8%
Avg. exposure to borrowers (EUR)	28,842,424

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	91.6%
Fixed interest (Covered bonds)	94.5%
WAL (Cover pool)	9.7y
WAL (Covered bonds)	5.3y
Largest FX-position (NPV in EURm)	CHF (109.2)
Share of largest exposure tranche	53.7% (> EUR 100m)
Loans in arrears (> 90 days)	0.01%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

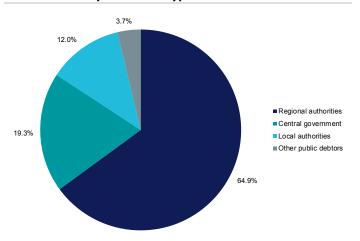
Past development

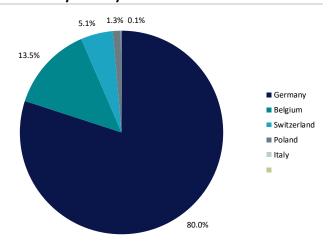


Maturity structure



Distribution by borrower type







Kreissparkasse Köln

Public sector

Indicators of the cover pool

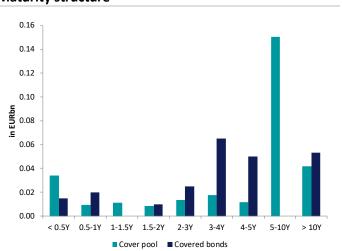
Covered bonds outstanding (EURm)	238.4
Cover pool volume (EURm)	297.7
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	59.3
Current OC	24.9%
Number of loans	145
Number of borrowers	47
Share of 10 largest borrowers	68.9%
Avg. exposure to borrowers (EUR)	6,334,860

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	6.1y
WAL (Covered bonds)	5.0y
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	51.5% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

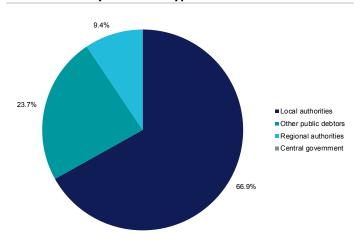
Past development



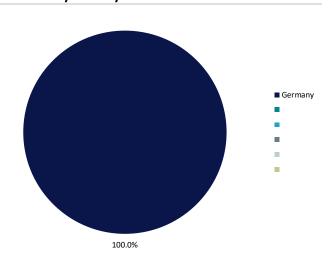
Maturity structure



Distribution by borrower type



Distribution by country





Landesbank Baden-Württemberg

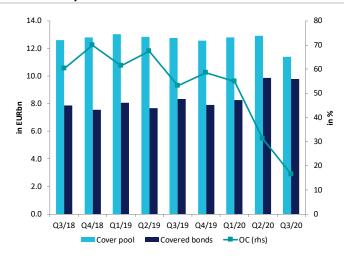
Public sector

Indicators of the cover pool

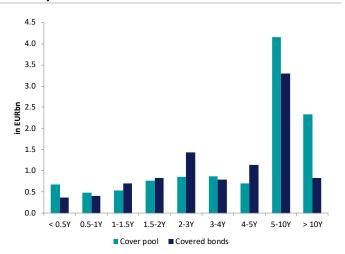
•	
Covered bonds outstanding (EURm)	9,792.0
Cover pool volume (EURm)	11,393.1
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	1,601.1
Current OC	16.4%
Number of loans	7,097
Number of borrowers	2,809
Share of 10 largest borrowers	28.4%
Avg. exposure to borrowers (EUR)	4,055,936

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	82.7%
Fixed interest (Covered bonds)	76.0%
WAL (Cover pool)	6.6y
WAL (Covered bonds)	5.2y
Largest FX-position (NPV in EURm)	USD (-2.9)
Share of largest exposure tranche	46.4% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

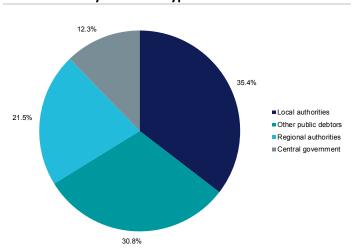
Past development



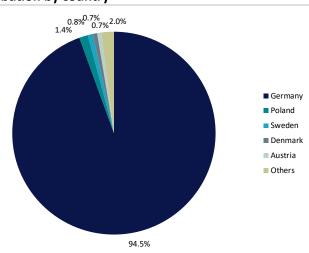
Maturity structure



Distribution by borrower type



Distribution by country





Landesbank Berlin

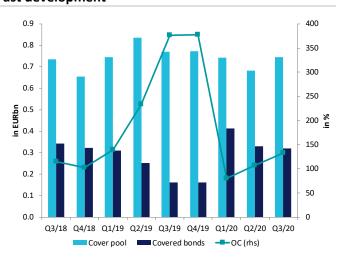
Public sector

Indicators of the cover pool

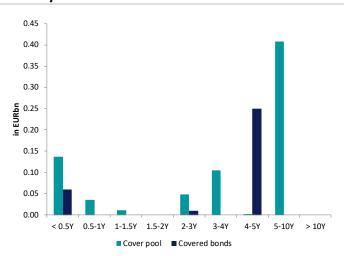
Covered bonds outstanding (EURm)	320.0
Cover pool volume (EURm)	746.0
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	426.0
Current OC	133.1%
Number of loans	32
Number of borrowers	16
Share of 10 largest borrowers	99.0%
Avg. exposure to borrowers (EUR)	46,625,500

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	92.0%
WAL (Cover pool)	5.6y
WAL (Covered bonds)	3.8y
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	71.9% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

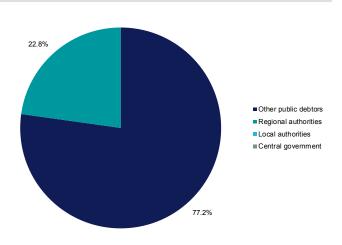
Past development



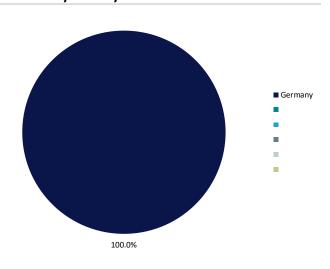
Maturity structure



Distribution by borrower type



Distribution by country





Landesbank Hessen-Thüringen

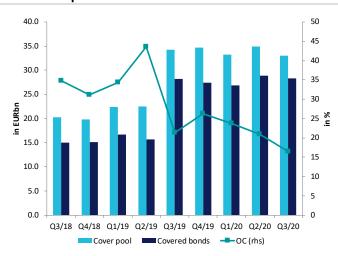
Public sector

Indicators of the cover pool

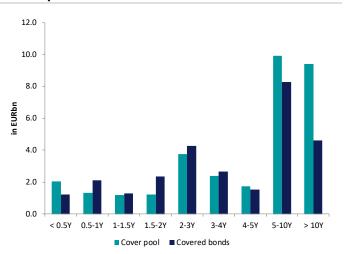
Covered bonds outstanding (EURm)	28,318.7
Cover pool volume (EURm)	32,993.8
of which substitution assets	0.4%
of which derivatives	0.0%
Current OC (EURm)	4,675.1
Current OC	16.5%
Number of loans	20,692
Number of borrowers	5,308
Share of 10 largest borrowers	32.0%
Avg. exposure to borrowers (EUR)	6,189,959

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / AAA / - / -
Fixed interest (Cover pool)	94.5%
Fixed interest (Covered bonds)	89.2%
WAL (Cover pool)	7.8y
WAL (Covered bonds)	6.1y
Largest FX-position (NPV in EURm)	CHF (137.6)
Share of largest exposure tranche	62.4% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

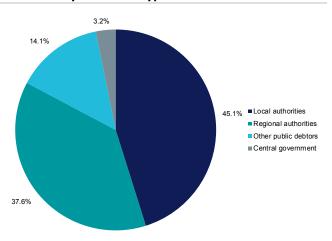
Past development

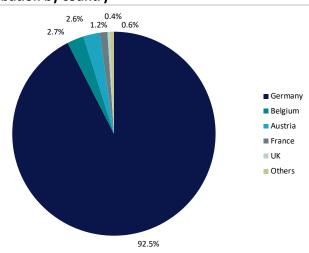


Maturity structure



Distribution by borrower type







M.M. Warburg & CO Hypothekenbank

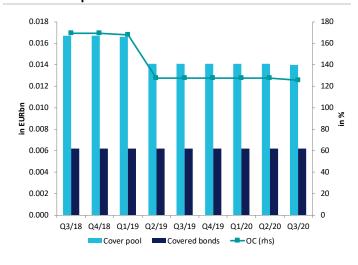
Public sector

Indicators of the cover pool

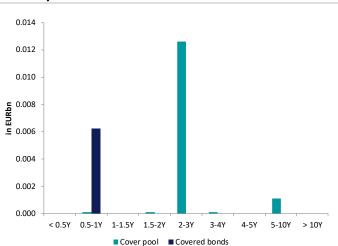
Covered bonds outstanding (EURm)	6.2
Cover pool volume (EURm)	14.0
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	7.8
Current OC	125.8%
Number of loans	1
Number of borrowers	1
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	14,000,000

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-
Fixed interest (Cover pool)	64.4%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	2.4y
WAL (Covered bonds)	0.8y
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	100.0% (< EUR 10m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

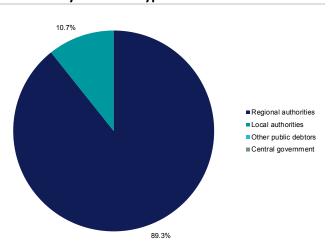
Past development



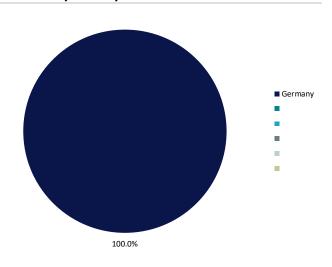
Maturity structure



Distribution by borrower type



Distribution by country





Münchener Hypothekenbank

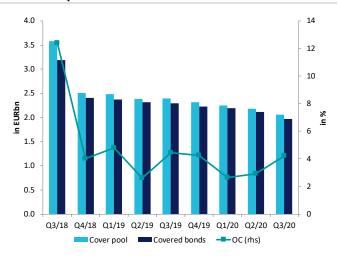
Public sector

Indicators of the cover pool

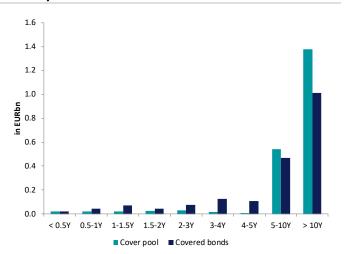
•	
Covered bonds outstanding (EURm)	1,975.3
Cover pool volume (EURm)	2,058.1
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	82.8
Current OC	4.2%
Number of loans	682
Number of borrowers	496
Share of 10 largest borrowers	86.5%
Avg. exposure to borrowers (EUR)	4,149,401

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-
Fixed interest (Cover pool)	93.0%
Fixed interest (Covered bonds)	91.0%
WAL (Cover pool)	14.0y
WAL (Covered bonds)	8.0y
Largest FX-position (NPV in EURm)	JPY (13.5)
Share of largest exposure tranche	70.7% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

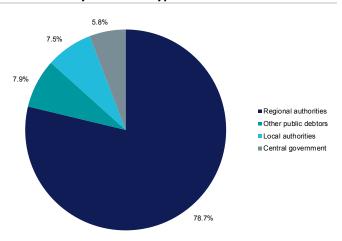
Past development

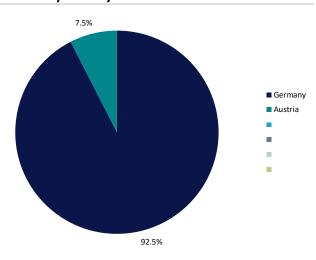


Maturity structure



Distribution by borrower type







Norddeutsche Landesbank

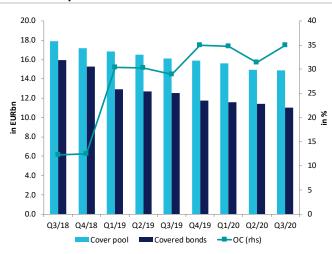
Public sector

Indicators of the cover pool

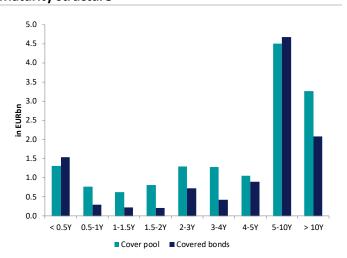
•	
Covered bonds outstanding (EURm)	11,019.4
Cover pool volume (EURm)	14,870.9
of which substitution assets	5.3%
of which derivatives	0.0%
Current OC (EURm)	3,851.5
Current OC	35.0%
Number of loans	4,187
Number of borrowers	1,474
Share of 10 largest borrowers	22.7%
Avg. exposure to borrowers (EUR)	9,553,460

Rating (Moody's / Fitch / S&P / DBRS)	Aa1/-/-/-
Fixed interest (Cover pool)	89.6%
Fixed interest (Covered bonds)	96.4%
WAL (Cover pool)	6.6y
WAL (Covered bonds)	6.4y
Largest FX-position (NPV in EURm)	USD (164.4)
Share of largest exposure tranche	42.4% (> EUR 100m)
Loans in arrears (> 90 days)	0.02%
LCR level / haircut (Benchmarks)	Level 1 / 7%
Risk weight (Benchmarks)	10%

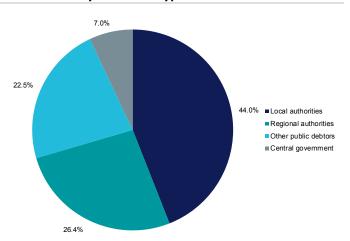
Past development

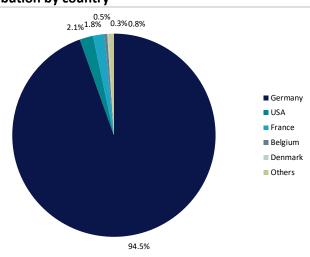


Maturity structure



Distribution by borrower type







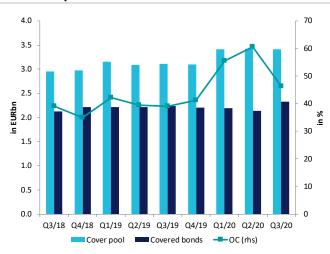
SaarLB Public sector

Indicators of the cover pool

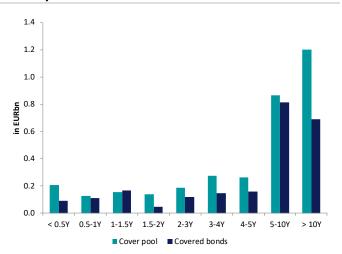
Covered bonds outstanding (EURm)	2,332.3
Cover pool volume (EURm)	3,410.9
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	1,078.6
Current OC	46.2%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a

- / AAA / - / -
75.5%
94.2%
n/a
n/a
n/a
62.5% (EUR 10-100m)
0.00%
-
-

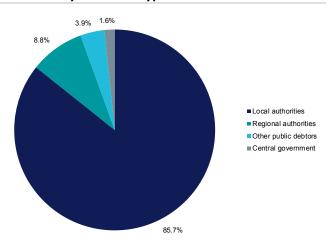
Past development

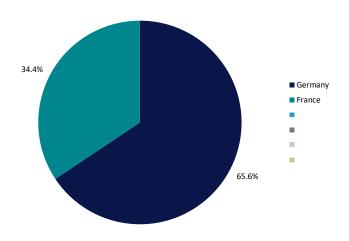


Maturity structure



Distribution by borrower type







Sparkasse Hannover

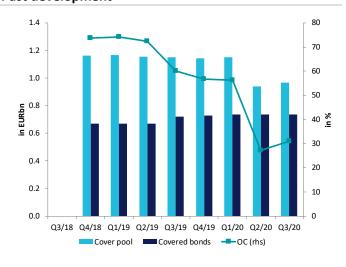
Public sector

Indicators of the cover pool

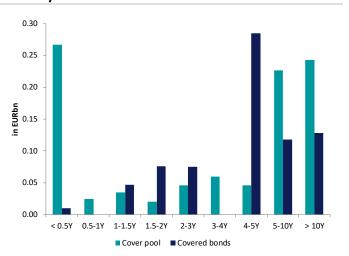
738.1
967.4
0.0%
0.0%
229.3
31.1%
n/a
n/a
n/a
n/a

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	97.6%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	45.8% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

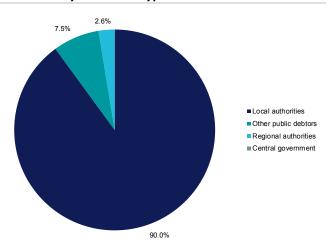
Past development



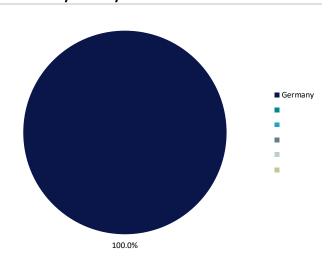
Maturity structure



Distribution by borrower type



Distribution by country





Sparkasse KölnBonn

Public sector

Indicators of the cover pool

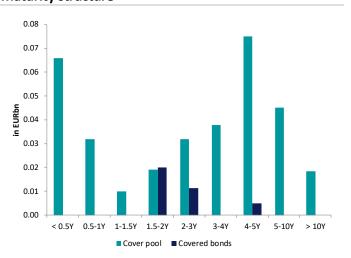
•	
Covered bonds outstanding (EURm)	36.2
Cover pool volume (EURm)	335.0
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	298.8
Current OC	825.4%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / - / - / -
Fixed interest (Cover pool)	0.0%
Fixed interest (Covered bonds)	0.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	85.3% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

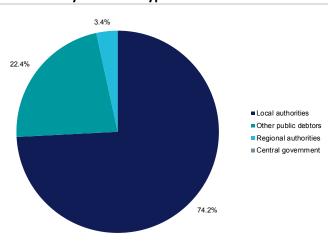
Past development



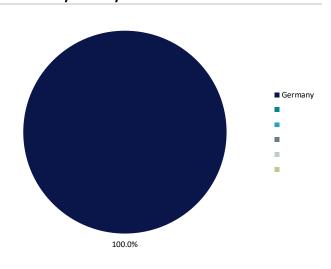
Maturity structure



Distribution by borrower type



Distribution by country





Stadtsparkasse Düsseldorf

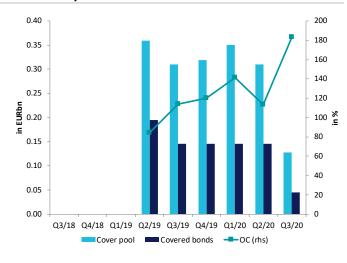
Public sector

Indicators of the cover pool

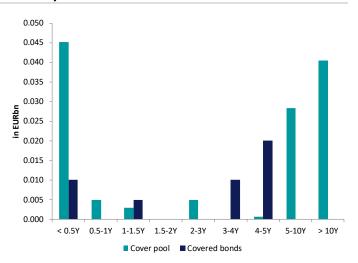
•	
Covered bonds outstanding (EURm)	45.0
Cover pool volume (EURm)	127.4
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	82.4
Current OC	183.0%
Number of loans	n/a
Number of borrowers	n/a
Share of 10 largest borrowers	n/a
Avg. exposure to borrowers (EUR)	n/a

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	100.0%
Fixed interest (Covered bonds)	100.0%
WAL (Cover pool)	n/a
WAL (Covered bonds)	n/a
Largest FX-position (NPV in EURm)	n/a
Share of largest exposure tranche	60.4% (EUR 10-100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

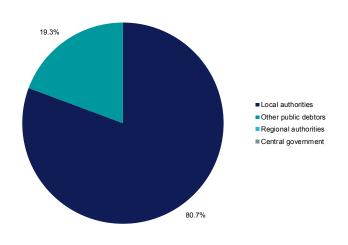
Past development



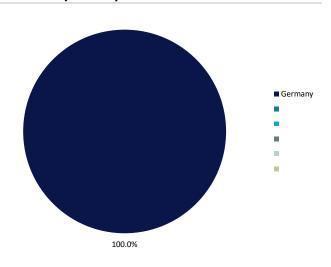
Maturity structure



Distribution by borrower type



Distribution by country





UniCredit Bank

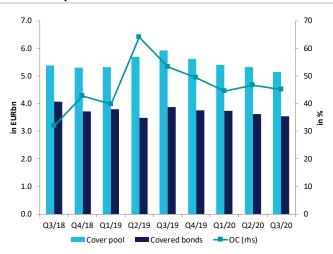
Public sector

Indicators of the cover pool

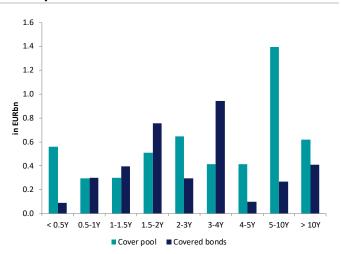
Covered bonds outstanding (EURm)	3,549.1
Cover pool volume (EURm)	5,150.0
of which substitution assets	0.0%
of which derivatives	0.0%
Current OC (EURm)	1,600.9
Current OC	45.1%
Number of loans	1,729
Number of borrowers	946
Share of 10 largest borrowers	31.8%
Avg. exposure to borrowers (EUR)	5,443,975

Rating (Moody's / Fitch / S&P / DBRS)	Aaa / AAA / - / -
Fixed interest (Cover pool)	63.3%
Fixed interest (Covered bonds)	92.8%
WAL (Cover pool)	5.1y
WAL (Covered bonds)	4.7y
Largest FX-position (NPV in EURm)	USD (-48.5)
Share of largest exposure tranche	47.4% (> EUR 100m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

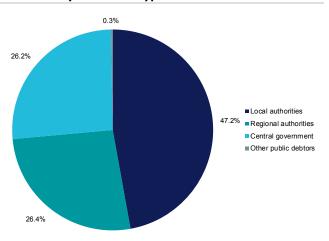
Past development

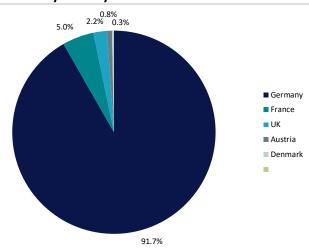


Maturity structure



Distribution by borrower type







Ship covered bonds



Commerzbank Ship

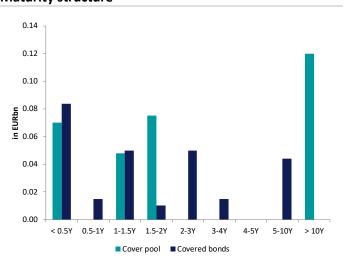
Indicators of the cover pool

Covered bonds outstanding (EURm)	267.5	Rating (Moody's / Fitch / S&P / DBRS)	- / - / - / -
Cover pool volume (EURm)	313.0	Fixed interest (Cover pool)	100.0%
of which substitution assets	100.0%	Fixed interest (Covered bonds)	79.3%
of which derivatives	0.0%	WAL (Cover pool)	6.7y
Current OC (EURm)	45.5	WAL (Covered bonds)	1.8y
Current OC	17.0%	Largest FX-position (NPV in EURm)	n/a
Number of loans	n/a	Share of largest exposure tranche	n/a
Number of borrowers	n/a	Loans in arrears (> 90 days)	0.00%
Avg. exposure to borrowers (EUR)	n/a	LCR level / haircut (Benchmarks)	-
		Risk weight (Benchmarks)	-

Past development

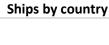
0.6 0.5 0.4 0.2 0.1 0.0 0.3/18 Q4/18 Q1/19 Q2/19 Q3/19 Q4/19 Q1/20 Q2/20 Q3/20 Cover pool Covered bonds Covered bonds Covered bonds

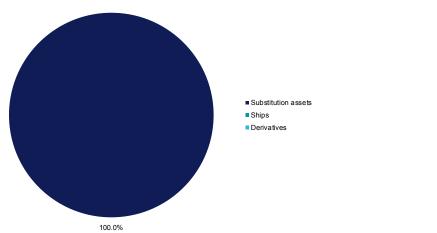
Maturity structure



n/a

Distribution by borrower type







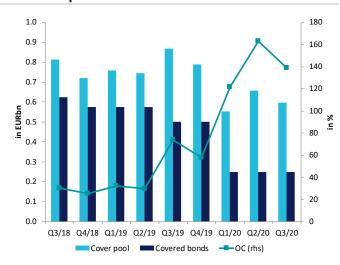
DVB Bank Ship

Indicators of the cover pool

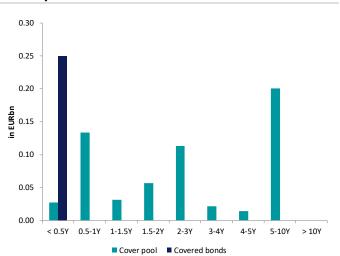
250.0
597.3
36.1%
0.0%
347.3
138.9%
22
22
17,352,682

Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Fixed interest (Cover pool)	0.0%
Fixed interest (Covered bonds)	37.6%
WAL (Cover pool)	3.1y
WAL (Covered bonds)	n/a
Largest FX-position (NPV in EURm)	USD (355.4)
Share of largest exposure tranche	99.1% (> EUR 5m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

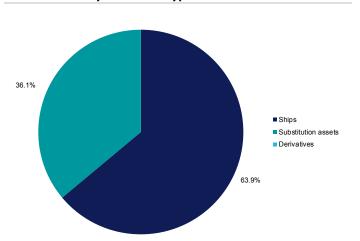
Past development



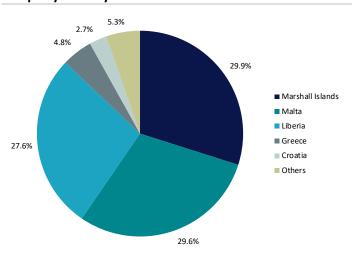
Maturity structure



Distribution by borrower type



Ships by country





Hamburg Commercial Bank

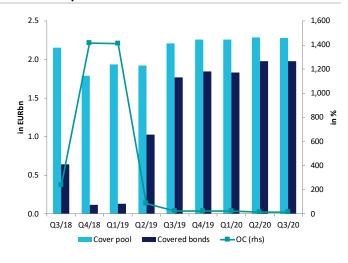
Ship

Indicators of the cover pool

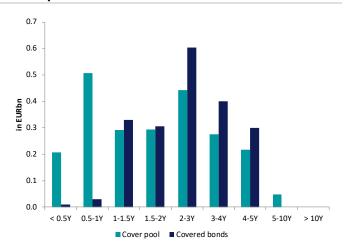
Covered bonds outstanding (EURm)	1,978.0
Cover pool volume (EURm)	2,280.3
of which substitution assets	14.8%
of which derivatives	0.0%
Current OC (EURm)	302.3
Current OC	15.3%
Number of loans	224
Number of borrowers	131
Avg. exposure to borrowers (EUR)	14,836,641

Rating (Moody's / Fitch / S&P / DBRS)	A3/-/-/-
Fixed interest (Cover pool)	3.7%
Fixed interest (Covered bonds)	14.6%
WAL (Cover pool)	2.0y
WAL (Covered bonds)	2.6y
Largest FX-position (NPV in EURm)	USD (2,043.8)
Share of largest exposure tranche	81.6% (> EUR 5m)
Loans in arrears (> 90 days)	0.00%
LCR level / haircut (Benchmarks)	-
Risk weight (Benchmarks)	-

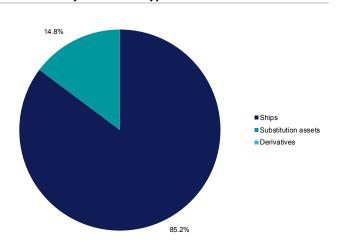
Past development



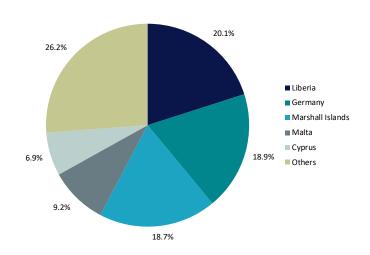
Maturity structure



Distribution by borrower type



Ships by country





Norddeutsche Landesbank

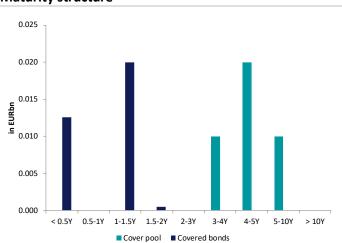
Ship

Indicators of the cover pool

Covered bonds outstanding (EURm)	33.1	Rating (Moody's / Fitch / S&P / DBRS)	-/-/-/-
Cover pool volume (EURm)	40.0	Fixed interest (Cover pool)	69.8%
of which substitution assets	100.0%	Fixed interest (Covered bonds)	57.5%
of which derivatives	0.0%	WAL (Cover pool)	n/a
Current OC (EURm)	6.9	WAL (Covered bonds)	n/a
Current OC	20.8%	Largest FX-position (NPV in EURm)	n/a
Number of loans	n/a	Share of largest exposure tranche	n/a
Number of borrowers	n/a	Loans in arrears (> 90 days)	0.00%
Avg. exposure to borrowers (EUR)	n/a	LCR level / haircut (Benchmarks)	-
		Risk weight (Benchmarks)	-

Past development

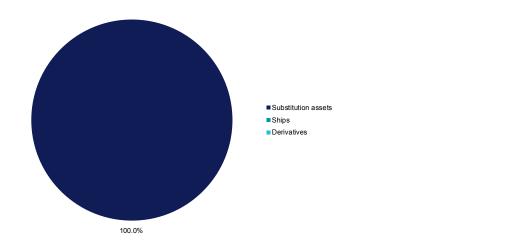
Maturity structure



n/a

Distribution by borrower type

Ships by country





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