# **Presentation for Investors**

August / September 2016

Münchener Hypothekenbank eG



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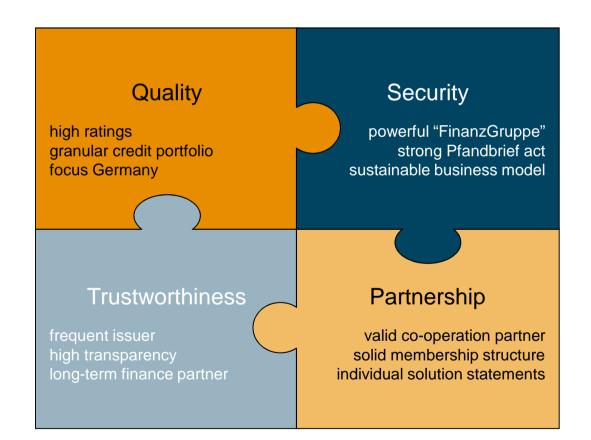
#### Zukunftsbezogene Aussagen

Die Präsentation enthält zukunftsbezogene Aussagen. Diese zukunftsbezogenen Aussagen basieren auf den derzeitigen Erwartungen und Prognosen der Bank im Hinblick auf zukünftige Ergebnisse und sind mit Risiken, Unsicherheiten und Vermutungen verbunden, die die Bank und ihr Geschäftsfeld betreffen.

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## Why invest in MünchenerHyp?





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### "Royal Bank of Bavaria"

- founded in 1896
- strongly enabled and supported by the former Bavarian royal family
- 120 years successful within the mortgage business
- independent from any corporate group and member of the cooperative FinanzGruppe
- headquarters in Munich
- benefit from a strong foothold in Bavaria



Crown of the Kings of Bavaria



MünchenerHyp's Headquarters



### Key Facts at a Glance

- Top50 Bank in Germany:
  - 38.7 bn Euro total assets
  - around 500 employees
  - broad based ownership; no predominant owner
  - Moody's issuer rating: A1 stable
- favourable funding by Pfandbrief privilege:
  - Pfandbrief licence: continuous issuing of benchmark bonds and private placements
  - biggest volume of outstanding mortgage Pfandbriefe in Germany
  - Moody's Pfandbrief rating: both Aaa
- deep roots within the Cooperative Financial Network ("FinanzGruppe"):
  - partner of Volksbanken and Raiffeisenbanken in the mortgage lending business
  - excellent access to liquidity via the cooperative institutions
  - strong protection scheme with guarantee fund and guarantee network in the worldwide oldest exclusively private financed protection scheme for banks
- sustainable business model:
  - long-term and risk conservative business model
  - focus on co-operative mission, no profit maximisation
  - sustainability as integral part of our business activities
  - major developments since 2013 with economic, ecological and social actions and strategies

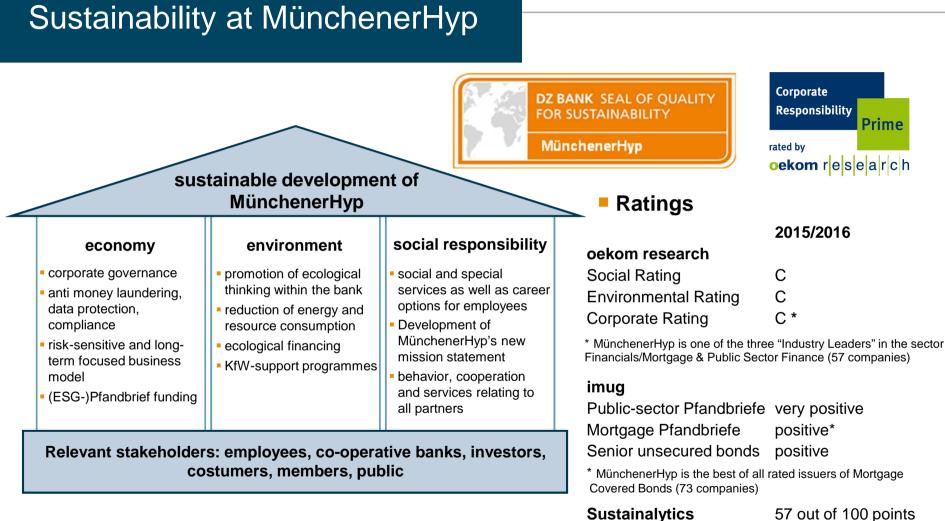
Date of information: 30/06/2016



## **Business Performance**

		30/06/2016	30/06/2015
less	net interest income (mn EUR)	111.9	107.5
loan business	growth new property loans	3.4%	6.0%
loan	mortgage portfolio (bn EUR)	26.5	25.0
u	LCR	152.2%	68.6%
regulation	NSFR	105.4%	99.3%
re	MREL	coming soon	
	common equity tier 1 capital ratio	17.6%	12.3%
capital	tier 1 capital ratio	19.5%	14.2%
-	total capital ratio	19.5%	17.6%





#### MünchenerHyp's sustainability activities:

http://www.muenchenerhyp.de/de/meta/nachhaltigkeit/leitbild/index.html

Date of information: 11/08/2016



# Financial Figures

	2010	2011	2012	2013	2014	2015	1.H.2016	e2016
	2010	2011	2012	2013	2014	2015	1.11.2010	62010
Net interest income	124.5	117.9	129.0	143.6	170.6	221.5	111.9	234.8
Commission income	-27.6	-38.3	-50.6	-49.3	-60.1	-66.8	-36.9	-66.5
Total administrative expenses	-58.9	-63.5	-65.5	-73.5	-81.5	-88.9	-47.1	-94.4
Operating profit before risk provisions	32.2	10.7	10.6	22.4	27.0	61.4	25.5	70.3
Operating profit after risk provisions	16.7	6.5	9.8	21.2	26.8	56.3	27.1	57.1
Payment to fund for general banking risks		-1.7	-2.5	-5.0	-5.4	-8.4		-9.0
Net Income	11.0	4.9	5.4	6.7	16.1	22.2	14.6	23.6
Cost-Income-Ratio	50.3	62.0	62.3	60.7	60.5	51.2	59.3	54.0
ROE (Return on equity before tax)	5.5%	4.2%	5.0%	6.3%	5.1%	6.7%		6.8%
CET 1 Ratio					12.5%	17.3%	17.6%	17.3%
Tier 1 Ratio	6.4%	8.9%	9.1%	11.7%	14.2%	19.5%	17.6%	17.3%
Total assets	35,225.0	37,348.0	36,642.9	34,898.5	36,340.1	38,098.8	38,703.1	38,500.0
	2010	2011	2012	2013	2014	2015	1.H.2016	e2016
New mortgage loan commitments	3,553.4	3,390.8	3,620.4	3,618.3	4,436.1	4,333.1	2,309.9	4,900.0
- of which residential mortgage loans	3,208.2	2,807.9	2,958.7	2,879.0	3,677.6	3,540.8	1,695.7	3,400.0
- of which commercial mortgage loans	345.2	582.9	661.7	739.3	758.5	792.3	614.2	1,500.0
New public-sector and municipal loan commitments	1,883.4	1,449.0	662.9	552.2	861.4	670.9	84.0	500.0
							Figures in	EUR millio



## Ratings

#### Münchener Hypothekenbank eG

	Moody's Rating	Outlook
public-sector Pfandbriefe	Aaa	stable
mortgage Pfandbriefe	Aaa	stable
senior unsecured bonds	A1	stable
short-term liabilities	Prime-1	
long-term deposits	Aa3	

#### Münchener Hypothekenbank eG within the Cooperative Financial Network

	Fitch Rating	Outlook
long-term	AA-	stable
short-term	F1+	stable

#### Cooperative Financial Network

	S&P Rating	Outlook
long-term	AA-	stable
short-term	A-1+	stable

Date of information: 31/07/2016



### Ownership

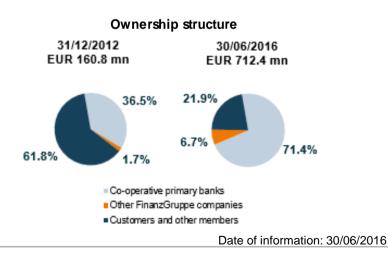
### membership:

- 71,402 members
- 10.177 mn co-operative shares
- 70 Euro nominal value, no trading
- 712.4 million Euro total amount of nonterminated co-operative shares
- individuals up to 500 shares
- "one man, one vote"
- declaration to terminate membership

### impact on strategy and business:

- long-term profitability and business sustainability
- conservative risk policy
- no major shareholder
- stable and continuous dividend payments

Equity	Components 3	0/06/2016
in € million		
Common Equity Tier 1		1,009.14
Paid-up capital	709.18	
Reserves	283.84	
Special items for general banking risk	23.00	
Deductible items	-6.87	
Additional Equity Tier 1		-
Undisclosed holdings	0.00	
Deductible items	0.00	
Tier 2 Capital		106.62
Total Equity		1,115.76





### Asset Quality

### Ioan portfolio:

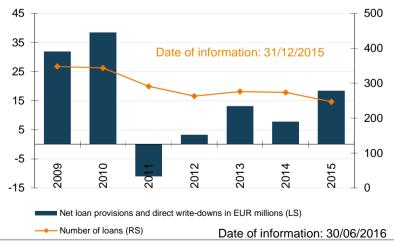
- 26.5 bn Euro
- 182,817 individual loans
- volume:

86.4% residential mortgage loans 13.6% commercial mortgage loans

- average size: about 126,000 Euro residential mortgage loans about 2,700,000 Euro commercial mortgage loans
- average loan-to-value ratio:
  59.2% residential mortgage loans
  70.1% commercial mortgage loans
- geographic split:
  - 46.8% Bavaria, Baden-Württemberg, Hesse and North Rhine-Westphalia
  - 26.3% other German States
  - 5.9% Berlin
  - 21.0% non-domestic

	Т	otal mortgage	e loan portfolio
Ltsustvalue ratio *)	EUR millions	%	% cumulative
Up to 60%	12,459	47.04%	47.04%
Over 60 to 70%	4,947	18.68%	65.72%
Over 70 to 80%	5,819	21.97%	87.69%
Over 80 to 90%	1,857	7.01%	94.71%
Over 90 to 100%	793	3.00%	97.70%
Over 100%	574	2.17%	99.87%
Without	34	0.13%	100.00%
Total	26,484	100.00%	

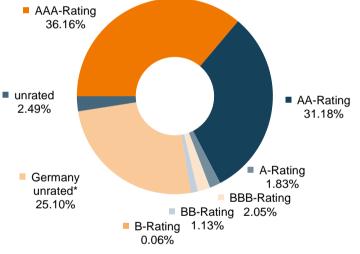
<sup>\*)</sup>The terms of the German Pfandbrief Act (PfandBG) define the sustainable value of property as, being generally 10-15% below the open market value of the property.





### Asset Quality

- public-sector and municipal loan portfolio:
  - 4.9 bn Euro cover pool public sector Pfandbriefe
  - claims meet the strict requirements of the German Pfandbrief Act ("PfandBG")
  - borrower group according to § 28 PfandBG:
    0.0% German Federal Republic
    - 66.2% German Federal States
    - 9.1% German municipalities
    - 6.0% banks with guarantor's liability
    - 18.7% European sovereigns/sub-sovereigns
- total volume in Portugal, Ireland, Italy and Spain is 2.16% according to § 28 German Pfandbrief Act



In the event of split ratings, the lower rating is applied.

\* In general, domestic municipalities and local authorities are not rated and several federal states have waived their Fitch rating.



## **Business Areas**

Business Area	Strategy	Approach	Geographic focus	Competitive strength	Outlook
Residential mortgage lending	Core	Residential mortgage lending, owner occupied	Germany, Switzerland	Distribution network of the Co-operative Banking Sector, Partnerships (PostFinance)	Sustainable Growth
Commercial mortgage lending	Core	Financing of predominantly offices and retail properties	Germany, Western Europe, (USA - management of existing portfolio; no new business)	attractive funding basis Expertise Quick decision making process	Selective Growth
Capital market	Focused on positive margins; Focus on liquidity and cover pool management	Lending predominantly to local, regional and central governments	Germany, EU	Pfandbrief funding Eligibility	Declining

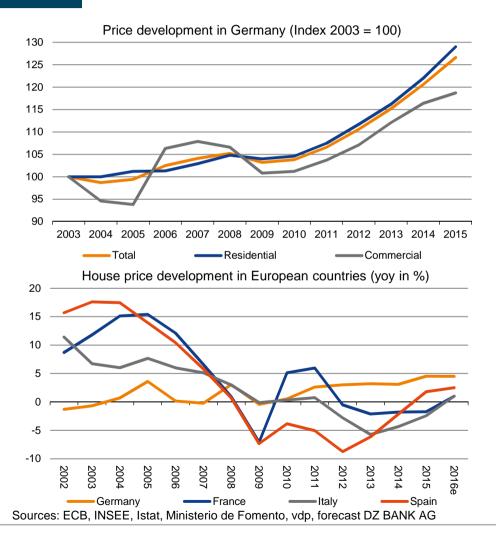






### The German Real Estate Market

- increased house price growth since 2015
- fixed rate loans with an amortisation
- broad supply of rental housing space
- strong demand for residential real estate





## **Residential Mortgage Lending**

### origination:

- co-operative banking network
- partnership PostFinance
- direct origination and electronic plattforms

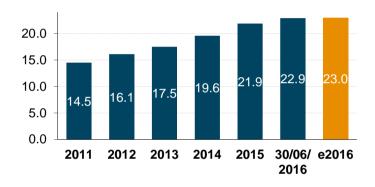
### servicing:

- operational excellence
- superior service quality
- highly efficient and state-of-the-art IT-platform

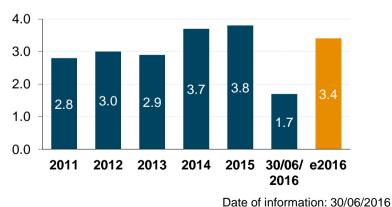
### strategy 2016:

- 3.4 bn Euro new loan commitments
  - 2.4 bn Euro new loans via FinanzGruppe
  - 0.5 bn Euro new loans via PostFinance
  - 0.5 bn Euro new loans via direct origination

Residential mortgage loan portfolio (EUR bn)









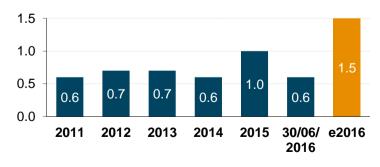
## **Commercial Mortgage Lending**

- origination:
  - origination in Germany via co-operative banking network and direct origination
  - outside Germany via mortgage loan syndications, underwriting and direct origination
- risk criteria:
  - focus on selected markets (object type / region)
  - conservative risk policy
  - low LTVs
  - sustainable cash flows
- strategy 2016:
  - 1.0 bn Euro new business in Germany
  - 0.2 bn Euro new business in UK
  - 0.1 bn Euro new business in France
  - 0.2 bn Euro other

6.0 5.0 4.0 3.0 4.9 4.9 2.0 4.0 4.0 3.8 3.6 1.0 0.0 2012 30/06/ e2016 2011 2013 2014 2015 2016 New commercial mortgage loan commitments (EUR bn)

Commercial mortgage loan portfolio

(EUR bn)



Date of information: 30/06/2016



### **Capital Market**

- overview:
  - business area serves as a tool to steer cover pool and liquidity (repos, liquid assets, etc.)

### domestic:

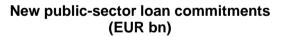
- central, regional and local authorities (cities, communities and administrative districts) and banks guaranteed by a public sector authority
- local authorities through the co-operative banks

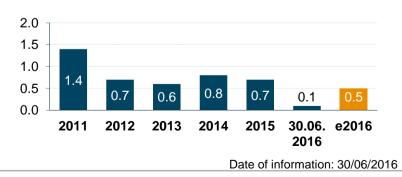
#### non-domestic:

- within the EU strictly limited by borrower's rating
- total volume in peripheral states 2.16% of the cover pool

15.0 10.0 13.3 12.1 10.3 5.0 9.4 8.2 0.0 2011 2012 2013 30.06. e2016 2014 2015 2016

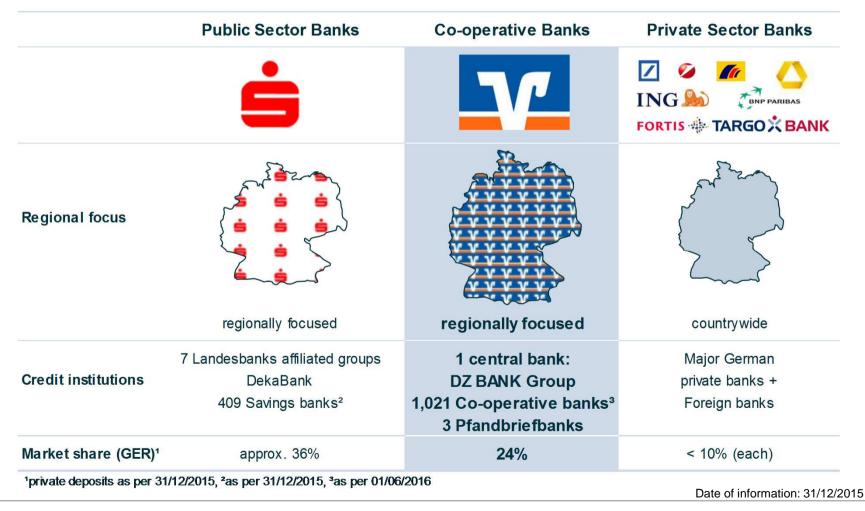
Public-sector loan portfolio (EUR bn)







## The German Banking Landscape





### The Cooperative Financial Network "Genossenschaftliche FinanzGruppe"

- network of leading German financial service providers, e.g.:
  - R+V: insurance group
  - Union Investment: asset manager
  - Easy Credit: consumer credits
  - DZ Bank:
  - Schwäbisch Hall:
  - VR Leasing:
- building society leasing company

commercial bank

- consolidated financial figures:
  - total assets 1,163 bn Euro
  - Cooperative network's capital 93.0 bn Euro
  - 18.3 mn members
- key benefits:
  - high distribution capacity
  - strong mutual protection scheme
  - access to liquidity pool of the co-operative banks (739 bn Euro customer deposits)
  - substantial rating support





### **Creditor Protection**

### support mechanism:

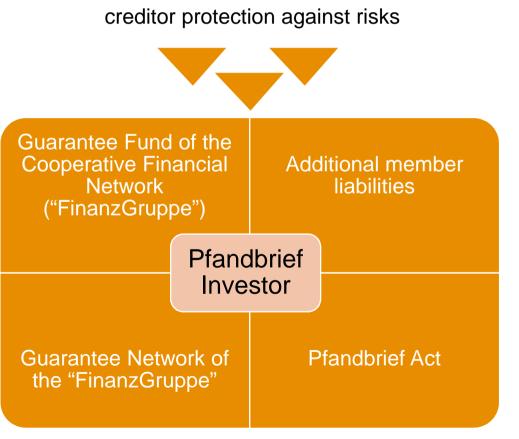
- Guarantee Fund and Guarantee Network
- managed by the Cooperative Financial Network (BVR)
- oldest support mechanism in Germany

#### tasks:

- preventive actions
- reorganisation measures

### history:

- no bankruptcy
- no loss of the notional amount of the co-operative shares
- no loss of deposits

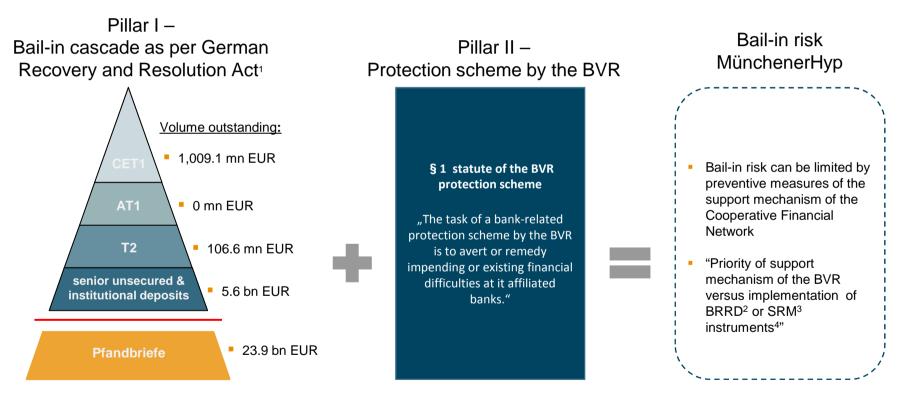


Date of information: 31/07/2016



### Limited Bail-in Risk

Limitation of the bail-in risk of MünchenerHyp as a result of the two pillar approache:



<sup>1</sup> In german known as: Sanierungs- und Abwicklungsgesetz (SAG)

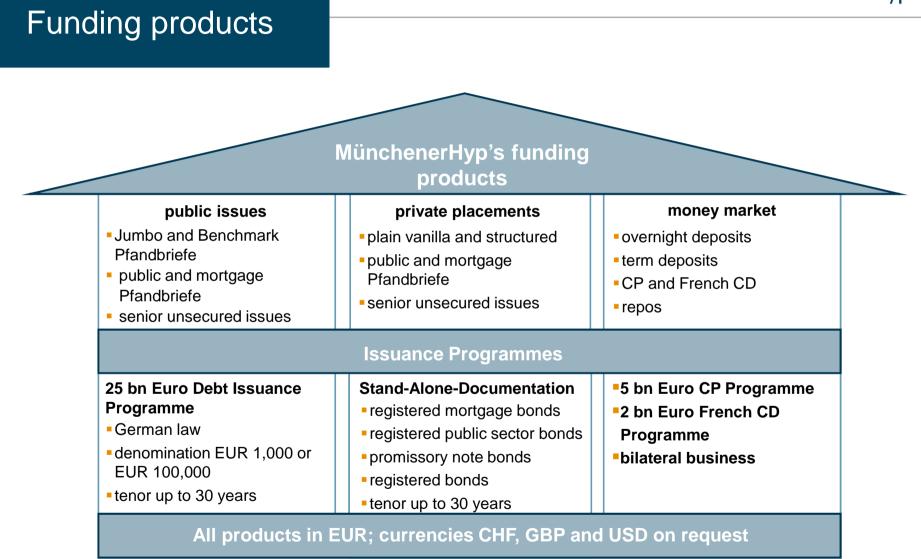
<sup>2</sup>Bank Recovery and Resolution Directive (BRRD)

<sup>3</sup> Single Resolution Mechanism (SRM)

<sup>4</sup>Hofmann, Gerhard. Member of the Executive Board BVR. (2014):Europäische Bankenunion: Perspektiven und Handlungsoptionen für die genossenschaftliche FinanzGruppe, In: Wissenschaft und Praxis im Gespräch Universität Münster, Münster den 26. Mai.2014.

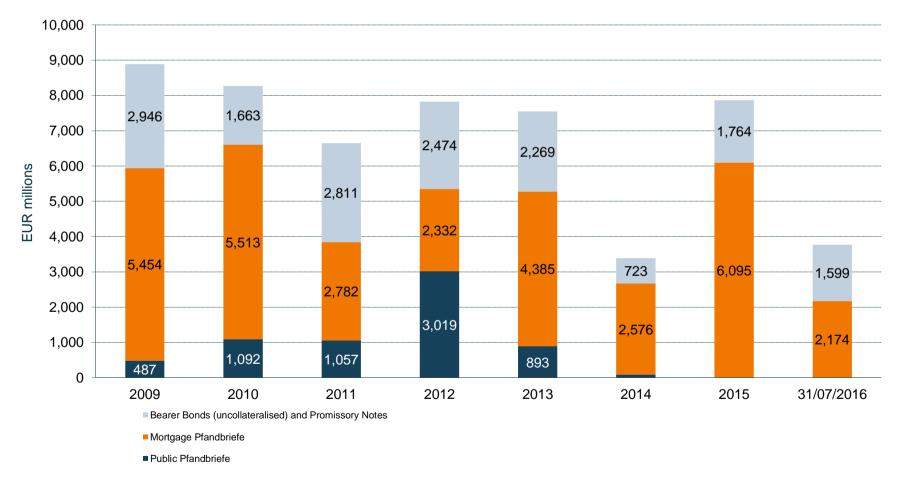
Date of information: 30/06/2016







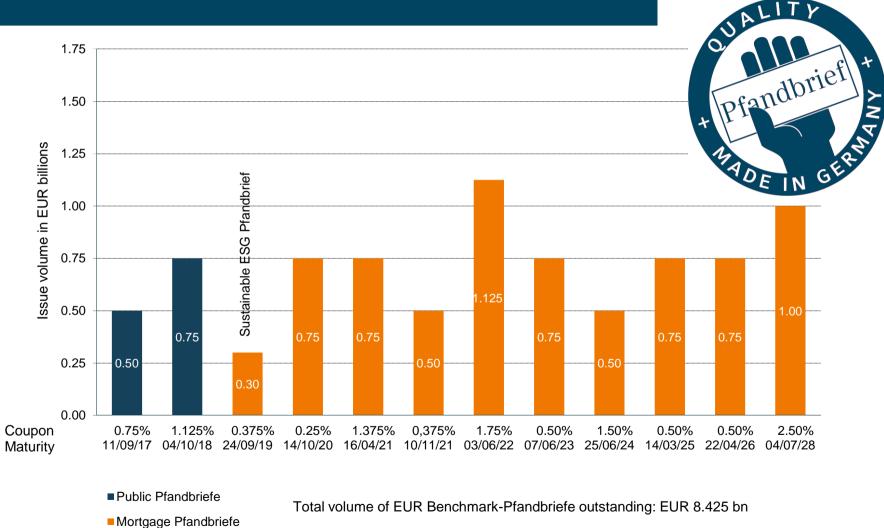
### Gross Issuance Volume



Date of information: 31/07/2016



## MünchenerHyp's € Benchmark-Pfandbriefe

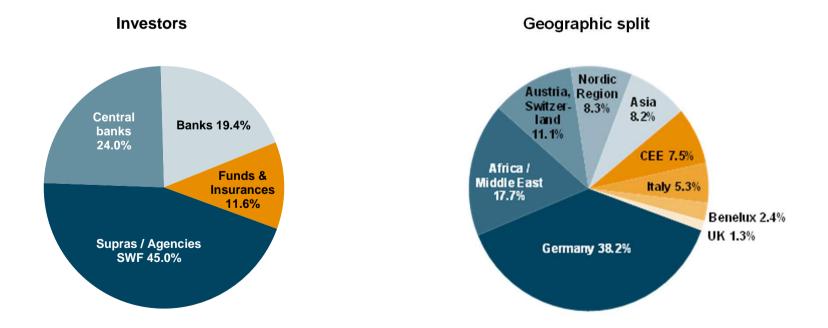


Date of information: 31/07/2016



### Issue 07/2016: USD 0.60 bn, 3 years, Mortgage Pfandbrief, \$MS + 48bp

- ISIN DE000MHB2622, 19/07/2016 19/07/2019
- Orderbook above EUR 0.9 bn
- 33 orders from 14 countries

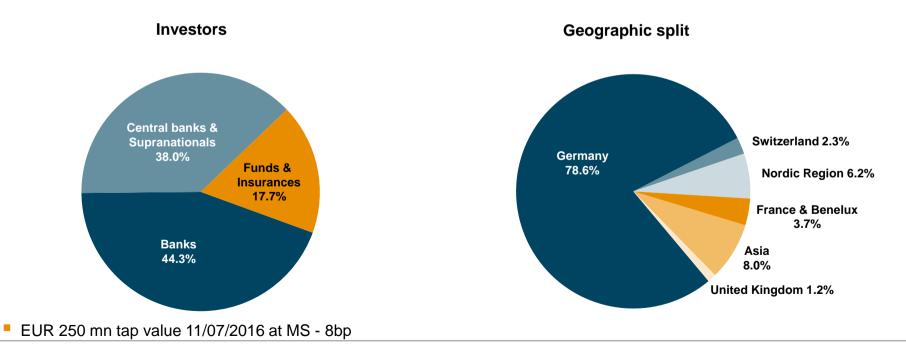


Funding



### Issue 04/2016: EUR 0.50 bn, 10 years, Mortgage Pfandbrief, MS – 1bp

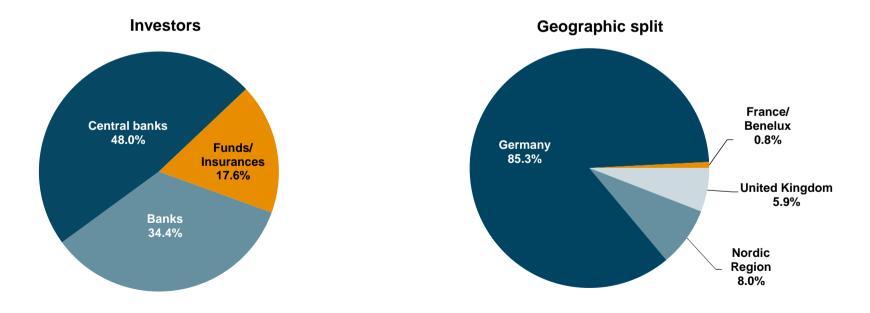
- ISIN DE000MHB17J8, 18/04/2016 22/04/2026
- Orderbook around EUR 0.73 bn
- 44 orders from 10 countries





### Issue 10/2015: EUR 0.50 bn, long 6 years, Mortgage Pfandbrief, MS – 10bp

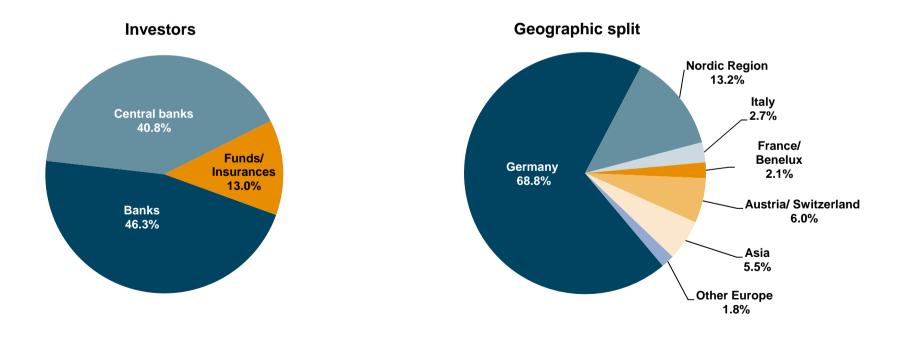
- ISIN DE000MHB16J0, 13/10/2015 10/11/2021
- Orderbook around EUR 0.75 bn
- 32 orders from 5 countries





### Issue 08/2015: EUR 0.75 bn, long 5 years, Mortgage Pfandbrief, MS – 17bp

- ISIN DE000MHB15J2, 05/08/2015 14/10/2020
- Orderbook around EUR 1.0 bn
- 49 orders from 14 countries





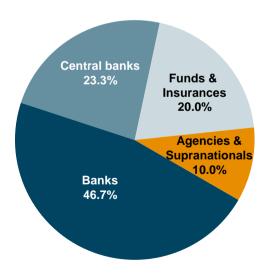
## MünchenerHyp's ESG Pfandbrief

### Issue 09/2014: EUR 0.30 bn, 5 years, sustainable Mortgage Pfandbrief, MS - 10bp

ISIN DE000MHB10S4, 24/09/2014 – 24/09/2019

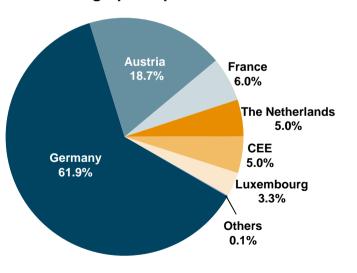
Investors

- Orderbook about EUR 0.5 bn
- 48 orders from 7 countries
- 32% to new, ethical investors



Press comments:

The Cover: "one of the most important milestones in the development of the SRI bond market"



**Geographic split** 



# Mortgage Pfandbriefe

	Commercial mortg	age loans	Residential mortg	age loans	Total mortgage	loans
	EUR millions	%total	EUR millions	%total	EUR millions	%total
Domestic						
Baden-Württemberg	226.3	8.12%	1,706.1	9.11%	1,932.4	8.98%
Bavaria	633.7	22.74%	3,522.0	18.80%	4,155.7	19.31%
Berlin	100.0	3.59%	1,055.9	5.64%	1,156.0	5.37%
Brandenburg	16.6	0.60%	314.4	1.68%	331.0	1.54%
Bremen	1.4	0.05%	50.3	0.27%	51.7	0.24%
Hamburg	151.7	5.44%	423.9	2.26%	575.7	2.67%
Hesse	267.8	9.61%	984.8	5.26%	1,252.6	5.82%
Lower Saxony	23.2	0.83%	1,473.8	7.87%	1,497.0	6.96%
Mecklenburg-Western Pomerania	41.4	1.49%	175.1	0.93%	216.6	1.01%
North Rhine-Westphalia	303.0	10.87%	2,921.2	15.59%	3,224.2	14.98%
Rhineland-Palatinate	33.2	1.19%	621.4	3.32%	654.7	3.04%
Saarland	1.1	0.04%	111.3	0.59%	112.4	0.52%
Saxony	54.7	1.96%	541.1	2.89%	595.8	2.77%
Saxony-Anhalt	6.9	0.25%	183.1	0.98%	190.0	0.88%
Schleswig-Holstein	30.7	1.10%	1,302.8	6.95%	1,333.5	6.20%
Thuringia	17.7	0.64%	150.1	0.80%	167.9	0.78%
Total domestic	1,909.6	68.52%	15,537.4	82.94%	17,447.1	81.07%
Non-domestic (international)						
Austria	73.2	2.63%	0.0	0.00%	73.2	0.34%
Belgium	9.6	0.34%	0.0	0.00%	9.6	0.04%
France	153.0	5.49%	7.4	0.04%	160.5	0.75%
Great Britain	204.9	7.35%	0.0	0.00%	204.9	0.95%
Luxembourg	46.6	1.67%	0.0	0.00%	46.6	0.22%
Spain	63.9	2.29%	0.0	0.00%	63.9	0.30%
Sweden	0.0	0.00%	0.0	0.00%	0.0	0.00%
Switzerland	0.0	0.00%	3,115.0	16.63%	3,115.0	14.47%
The Netherlands	129.0	4.63%	73.0	0.39%	202.0	0.94%
USA	197.3	7.08%	0.0	0.00%	197.3	0.92%
Total non-domestic	877.5	31.48%	3,195.5	17.06%	4,072.9	18.93%
Total domestic and non-domestic	2.787.1	100.00%	18,732.9	100.00%	21.520.0	100.00%



## Mortgage Pfandbriefe

#### Type of underlying property

	Mortgage Pfandbrief collateral pool				
	EUR millions	% Nu	mber of loans	Av. EUR m	
Residential	18,732.9	87.05	165,536	0.113	
- Apartments	3,092.4	14.37			
- Single-family houses	11,339.0	52.69			
- Multi-family houses	4,272.6	19.85			
- New buildings and buildings not yet capable of					
producing a yield	28.2	0.13			
- Buildings under construction	0.8	0.00			
Commercial	2,787.1	12.95	1,297	2.149	
- Office buildings	1,780.5	8.27			
- Retail buildings	805.1	3.74			
- Industrial buildings	23.1	0.11			
- Other commercially used properties	178.0	0.83			
- New buildings and buildings not yet capable of					
producing a yield	0.3	0.00			
- Buildings under construction	0.1	0.00			
Total	21,520.0	100.00	166,833	0.129	

#### Loan size

	Mortgage Pfandbrief collateral pool				
	EUR millions	% Nur	Av. EUR m		
Up to 0.3 EUR million	14,140.0	65.71	160,513	0.09	
Over 0.3 EUR million up to 1.0 EUR million	2,327.5	10.82	5,539	0.42	
Over 1.0 EUR million up to 10.0 EUR million	1,994.9	9.27	616	3.24	
Over 10.0 EUR million	3,057.6	14.21	165	18.53	
Total	21,520.0	100.00	166,833	0.129	



## Mortgage Pfandbriefe

#### **Further Cover Assets**

	mn EUR
Germany	623.0
Austria	86.2
Belgium	38.0
France	160.0
Luxembourg	150.0
Total - all states	1,057.2

#### Loan-to-value

	in %
weighted average loan-to-value ratio	51.0

#### Seasoning

in years
5.0

#### Percentage share of fixed-rate

	in %
Cover pool	98.0
Outstanding Mortgage Pfandbriefe	90.0

#### Total amount of payments in arrears for at least 90 days

	mn EUR
Total - all states	29.1

#### Net present value for each foreign currency

	balance
	mn EUR
CHF	2,939.0
GBP	-53.0
USD	51.6



#### German Federal Republic

	EUR millions	%total
German Federal Republic	0.0	0.00

#### German Federal State

	EUR millions	%	%total	
Baden-Württemberg	252.3	7.74	5.12	
Bavaria	400.0	12.27	8.12	
Berlin	125.0	3.83	2.54	
Brandenburg	25.0	0.77	0.51	
Bremen	125.0	3.83	2.54	
Hamburg	160.2	4.91	3.25	
Hesse	75.0	2.30	1.52	
Lower Saxony	600.0	18.40	12.18	
Mecklenburg-Western Pomerania	0.0	0.00	0.00	
North Rhine-Westphalia	834.1	25.58	18.13	
Rhineland-Palatinate	51.1	1.57	1.04	
Saarland	225.3	6.91	4.57	
Saxony	0.0	0.00	0.00	
Saxony-Anhalt	0.0	0.00	0.00	
Schleswig-Holstein	85.0	2.61	1.73	
Thuringia	302.3	9.27	6.14	
Total German Federal States	3,260.3	100.00	66.19	



#### German Local Authorities

	EUR millions	%	%total
Baden-Württemberg	91.1	20.38	1.85
Bavaria	111.1	24.84	2.25
Berlin	0.0	0.00	0.00
Brandenburg	0.0	0.00	0.00
Bremen	4.7	1.04	0.09
Hamburg	0.0	0.00	0.00
Hesse	38.7	8.67	0.79
Lower Saxony	44.6	9.98	0.91
Mecklenburg-Western Pomerania	0.4	0.09	0.01
North Rhine-Westphalia	106.7	23.87	2.17
Rhineland-Palatinate	34.7	7.76	0.70
Saarland	6.4	1.43	0.13
Saxony	0.0	0.00	0.00
Saxony-Anhalt	0.0	0.00	0.00
Schleswig-Holstein	8.0	1.80	0.16
Thuringia	0.6	0.14	0.01
Total German municipalities	447.1	100.00	9.08

#### Others

	EUR millions	%	%total
Others total *)	295.2	100.00	5.99

\*) Only claims against public-sector banks which are guaranteed by the German Federal Republic, a German Federal state or a German municipality.



Country					
	Sovereign	Sub-sovereign			
	EUR millions	EUR millions	total EUR m	%	%total
Austria	130.4	63.0	193.4	20.96	3.93
Belgium	100.0	95.0	195.0	21.13	3.96
Czech Republic	0.0	0.0	0.0	0.00	0.00
Finland	25.0	0.0	25.0	2.71	0.51
France	25.0	0.0	25.0	2.71	0.51
Greece	0.0	0.0	0.0	0.00	0.00
Hungary	0.0	0.0	0.0	0.00	0.00
Iceland	15.0	0.0	15.0	1.63	0.30
Ireland	22.7	0.0	22.7	2.46	0.46
Italy	17.2	0.0	17.2	1.86	0.35
Lithuania	0.0	0.0	0.0	0.00	0.00
Poland	46.0	0.0	46.0	4.99	0.93
Portugal	45.5	0.0	45.5	4.93	0.92
Slovakia	0.0	0.0	0.0	0.00	0.00
Slovenia	90.0	0.0	90.0	9.75	1.83
Spain	0.0	21.0	21.0	2.28	0.43
Sweden	0.0	0.0	0.0	0.00	0.00
Switzerland	0.0	152.6	152.6	16.53	3.10
The Netherlands	0.0	0.0	0.0	0.00	0.00
UK	0.0	0.0	0.0	0.00	0.00
Total countries	516.8	331.6	848.4	91.92	17.23
European institutions	0.0	74.5	74.5	8.08	1.51
Total international	516.8	406.1	923.0	100.00	18.74



#### Further Cover Assets

mn EUR
303.0
0.0
0.0
50.0
353.0

#### Percentage share of fixed-rate

	in %
Cover pool	87.0
Outstanding Public Pfandbriefe	90.0

#### Net present value for each foreign currency

	balance
	mn EUR
CHF	-145.7
CHF GBP JPY	0.0
JPY	-4.9



### **Contact Information**

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