# **Roadshow Presentation**

PUBLIC SECTOR FINANCE REAL ESTATE FINANCE



Strong Capitalization to be further improved by EUR Tier 2 Benchmark



#### **Disclaimer**



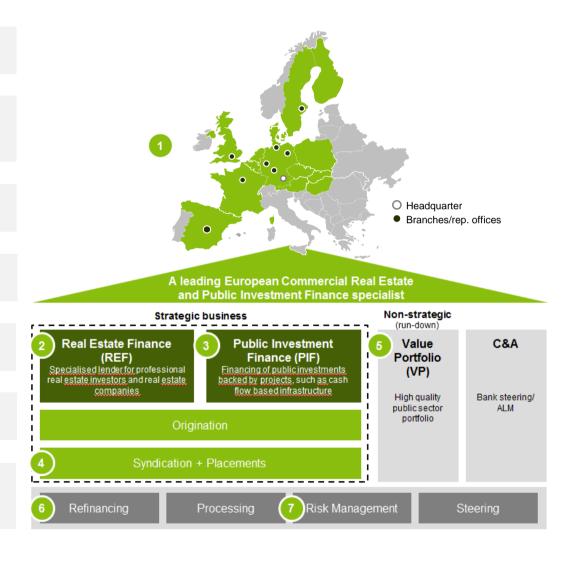
- Deutsche Pfandbriefbank AG (the "Issuer") None of Credit Suisse Securities (Europe) Limited, J.P. Morgan Securities plc and Morgan Stanley & Co. International plc (together the "Lead Managers") or the Deutsche Pfandbriefbank AG (the "Issuer") or any other person makes any representations or warranties, express or implied, as to the accuracy, completeness or fairness of this presentation (the "Presentation") and no responsibility or liability is accepted for its accuracy or sufficiency.
- The information set out in this Presentation has not been verified by the Issuer, its advisers or any other person and may be subject to updating, completion, revision and amendment and such information may change materially. None of the Issuer, the Lead Managers or any of their respective affiliates, advisers or representatives shall have any responsibility or liability whatsoever (in negligence or otherwise) for any loss whatsoever arising from any use of this Presentation or its contents.
- Information contained in this Presentation is a summary only, and is qualified in its entirety by reference to the prospectus (the "Prospectus") to be issued by the Issuer in connection with the securities referred to herein (the "Securities"). This Presentation does not purport to identify or suggest all of the risks (direct or indirect) which may be associated with an investor's investment in the Securities. Each investor should read the Prospectus for more complete information regarding the Securities before making an investment decision. The Prospectus will be made available to the public in accordance with EU Directive 2003/71/EC and investors may obtain an electronic copy of the Prospectus on the website of the Irish Stock Exchange (www.ise.ie).
- This Presentation does not constitute an offer or invitation for the sale or purchase of the Securities or of any of the assets, business or undertaking described herein. It does not comprise a prospectus for the purposes of EU Directive 2003/71/EC or otherwise. Distribution of this Presentation may be restricted or prohibited by law. Recipients are required to inform themselves of, and comply with, all such restrictions or prohibitions and neither the Issuer nor the Lead Managers accepts liability to any person in relation thereto.
- The information contained in this Presentation does not constitute an offer of securities for sale in the United States. The Securities have not been and will not be registered under the US Securities Act of 1933, as amended (the "Securities Act") and may not be offered or sold in the United States unless registered under the Securities Act or pursuant to an exemption from such registration. The Issuer does not intend to register the Securities under the Securities Act.
- This Presentation is directed at and is only being distributed in the United Kingdom to: (i) persons who have professional experience in matters relating to investments who fall within the definition of "investment professionals" in Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order"); (ii) high net worth entities, unincorporated associations and other persons falling within Article 49(2) of the Order or (iii) persons to whom it may otherwise lawfully be communicated (all such persons together being referred to as "relevant persons"). Other persons in the United Kingdom should not read, rely upon or act upon the contents of this Presentation. By accepting receipt of this Presentation, each recipient in the United Kingdom acknowledges that it is a person falling within one of the foregoing categories. Other persons in the United Kingdom should not rely or act upon this presentation or any of its contents.
- This presentation may only be made available, distributed or passed on to persons in Australia who qualify as 'wholesale clients' as defined in section 761G of the Australian Corporations Act.
- This presentation contains certain forward-looking statements. Forward-looking statements may concern future circumstances, developments, results and other statements with regard to the Issuer that are not historical facts, sometimes identified by the words "expect", "plan", "estimate", "will" and similar expressions. These statements are based on certain assumptions that, although reasonable at this time, may prove to be erroneous, including our current assessment of the economic development in certain countries as well as of the development of the mobility sector. No representations or warranties, express or implied, are given as to the achievement or reasonableness of, and no reliance should be placed on, such forward-looking statements, including (but not limited to) any projections, estimates, forecasts or targets contained herein. The Issuer does not undertake to provide any additional information or to remedy omissions in or from this Presentation. If certain risks and uncertainties materialise, or if certain underlying assumptions prove incorrect, the Issuer may not be able to achieve its financial targets and strategic objectives. The Issuer does not intend, and does not assume any obligation, to update industry information or forward-looking statements set forth in this Presentation.

#### **Business model & strategy**

Balanced business model with European coverage – US market entry provides business opportunities as a complement



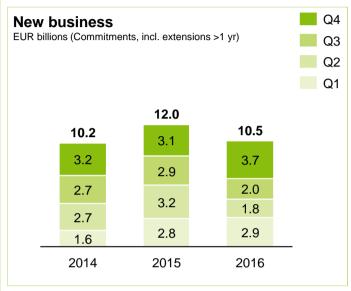
- European presence with strong footprint in Germany US business as a complement
- REF well established with long-standing client relationships and highly experienced, skilled and stable origination teams
- PIF developing as complementary contributor to REF, supporting revenue stream
- Syndication and placement activities as risk management tool
- Capital reallocation from Value Portfolio allows for build-up of higher-margin strategic portfolio
- Stable and well diversified funding base with German Pfandbrief as main funding instrument
- Fully integrated front-to-back risk governance on unified and up-to-date IT platforms provides for efficient and effective workflows

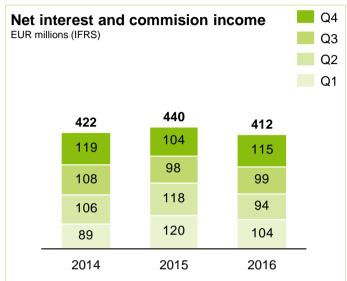


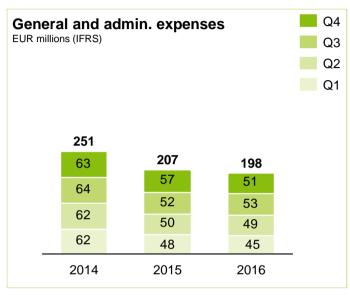
# **Highlights**

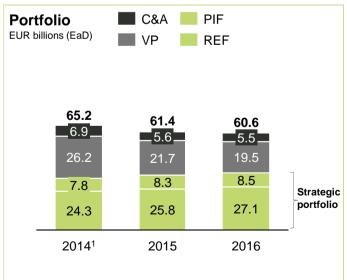
#### Operating and financial overview – solid underlying financial performance despite headwinds

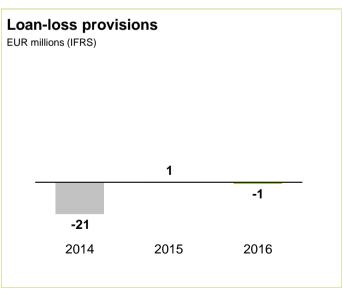


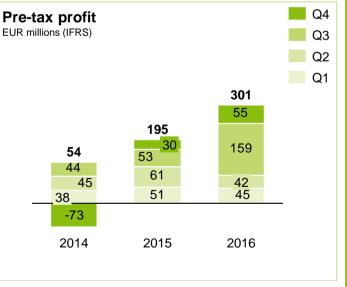










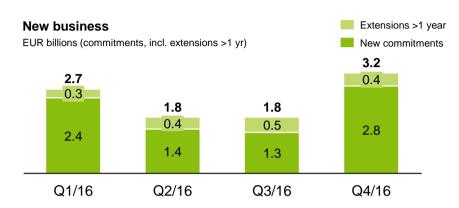


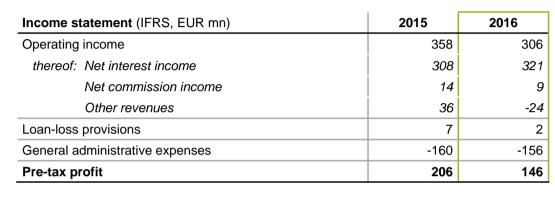
Note: Figures may not add up due to rounding 1 Restated; figures retrospectively adjusted for transfer of Italian PIF portfolio into VP (as of 01/01/15)

#### Segment reporting: Real Estate Finance (REF)

# Strong Q4 and stable level of new commitments – successful US entry with 3 % of new **business**









#### **Property types** 2016 EUR 9.5 bn



New business	2015	2016
Total volume (EUR bn)	10.4	9.5
thereof: Extensions >1 year	2.3	1.6
No. of deals	180	189
Average maturity (years) <sup>1</sup>	~5.7	~5.1
Average LTV (%) <sup>2</sup>	63	62
Average gross margin (bp)	>170	>175

#### Key drivers 2016:

- NII up +4 % y-o-y, positively driven by
  - increased portfolio volume
  - higher (allocated) prepayment fees (Δ 2016 vs. 2015: EUR +13 mn)
- Other revenues negatively affected by
  - lower net income from financial instruments, partly compensated by market induced valuation effects (NTI)
  - 2015 benefited from a sale of a restructured property in Japan (EUR +39 mn) and gains on (allocated) asset sales (compensatory measure for HETA value adjustments)
- EUR 2 mn net release of LLPs net additions to specific allowances resulted from a few single cases only - LLPs in Q4/16 benefited from releases of specific allowances
- GAE slightly down

Note: Figures may not add up due to rounding 1 Legal maturities 2 New commitments; avg. LTV (extensions): 2015: 56%; 2016: 56%

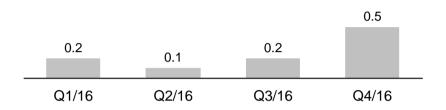
# **Segment reporting: Public Investment Finance (PIF)**

# Strong competition and standstill on ECA financing in Germany weighs down on new business volume

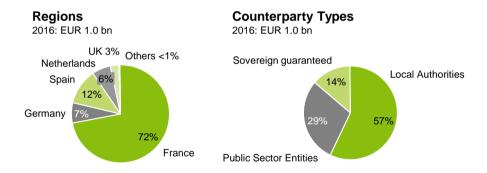


#### **New business**

EUR billions (commitments)



Income statement (IFRS, EUR mn)	2015	2016
Operating income	41	30
thereof: Net interest income	44	35
Loan-loss provisions	-	-
General administrative expenses	-28	-26
Pre-tax profit	13	3



New business	2015	2016
Total volume (EUR bn)	1.6	1.0
No. of deals	48	28
Average maturity (years) <sup>1</sup>	~8.4	~8.8
Average gross margin (bp)	~75	~85

#### Key drivers 2016:

- NII down as last year benefited from EUR +9 mn (allocated) gain from asset sales (compensatory measures for HETA value adjustments)
- Increase of portfolio volume with stable portfolio margin
- GAE slightly down due to lower FTEs

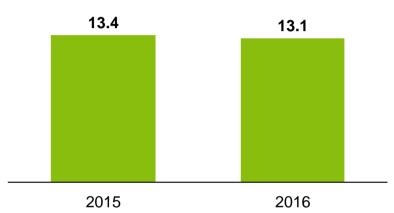
Note: Figures may not add up due to rounding 1 Weighted average lifetime

#### **Portfolio**

Conservative business and risk strategy to continue – stable high portfolio quality with 97% investment-grade, avg. LTV of 56%

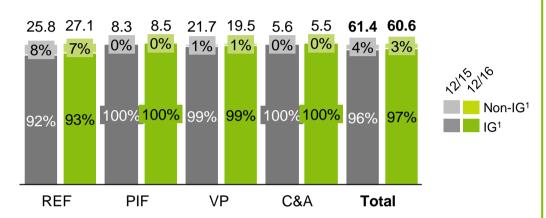






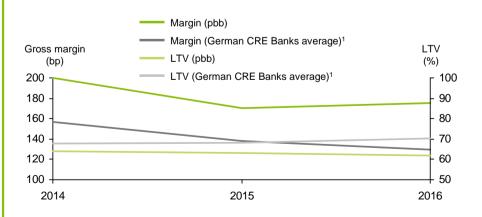
#### **Total portfolio: Internal ratings (EL classes)**

EUR billions (EaD, Basel III)



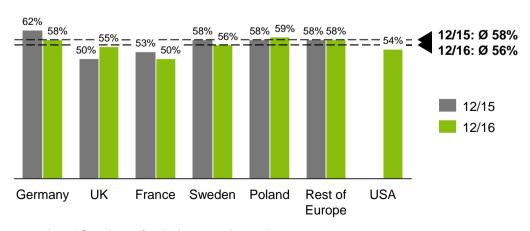
### German CRE Banks $\emptyset$ new business margins and LTVs

IRE/BS Research Study 'German Debt Project 2016'



#### REF Portfolio: Avg. weighted LTVs

% (Commitments)2



Note: Figures may not add up due to rounding 1 EL classes 1-8 = Investment grade; EL classes 9-18 = Non-investment grade 2 Based on performing investment loans only

#### **Portfolio**

777

UK<sup>4</sup>

241

## Sustained low share of problem loans - only 3mn workout loans

388

Others<sup>5</sup>



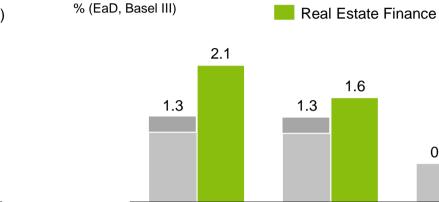
1.4

Total portfolio (thereof: HETA)

0.6

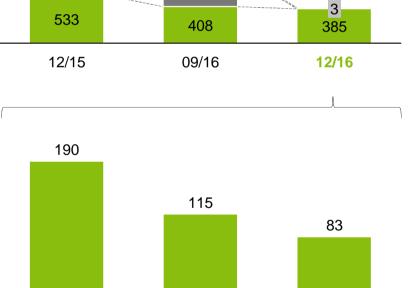
2016





2015

**Problem Ioan ratio** 



Germany

778

368<sup>3</sup>

#### Key drivers:

- Sustained low share of problem loans
  - HETA bonds sold in 2016
  - Problem loans consist of REF only at year-end 2016

09/16

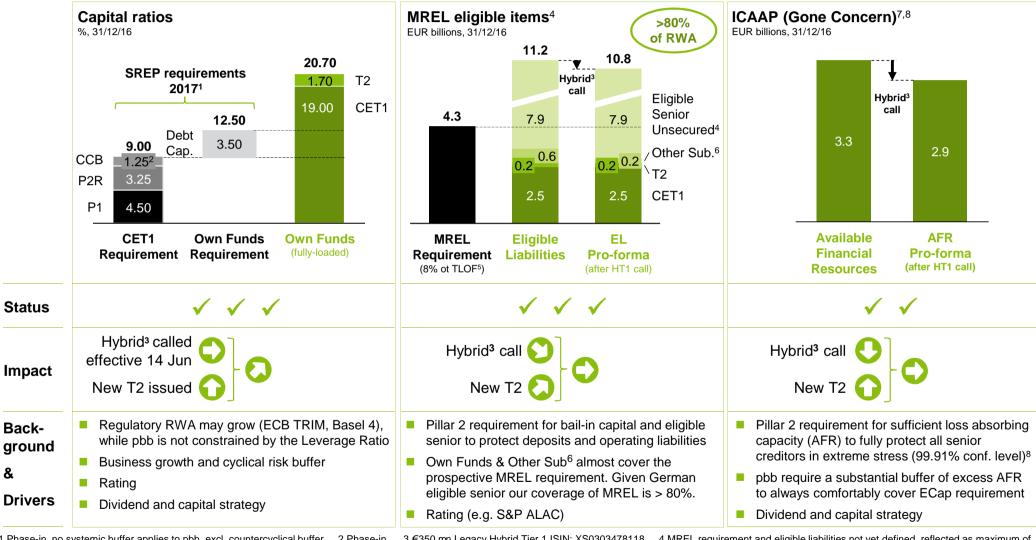
0.6% of total portfolio

Note: Figures may not add up due to rounding 1 PD class 30: No signs that the deal will recover soon, compulsory measures necessary 2 PD class 28+29: Payments more than 90 days overdue or criteria acc. to respective policy apply 3 Write-back of HETA exposure recognised in Q3/16 4 UK-3 'technically' shown as problem loan – properties sold, but synthetic securitisation has not yet allocated loss 5 Incl. Spain, Hungary, Italy, France

#### Legacy Hybrid Tier 1 Call and Tier 2 Replacement

# Tier 2 to replenish ICAAP Gone Concern and further strengthen Own Funds





<sup>1</sup> Phase-in, no systemic buffer applies to pbb, excl. countercyclical buffer 2 Phase-in 3 €350 mn Legacy Hybrid Tier 1 ISIN: XS0303478118 4 MREL requirement and eligible liabilities not yet defined, reflected as maximum of three calculation approaches currently being discussed; actual figures may vary significantly 5 Total liabilities and own funds 6 Subordinated instruments not eligible for own funds 7 See Disclosure Report as of 31/12/2016 8 Under the Internal Capital Adequacy Assessment Process (ICAAP) an institution needs to undertake a regular assessment of the amounts, types and distribution of capital that it considers adequate to cover the level and nature of the risks to which it is or might be exposed. This assessment of the firm's ability to meet its CET1 SREP requirements (Going-Concern approach) on an ongoing basis in times of stress, pbb basically uses internal models to generate loss distributions for all material risk types. The resulting capital demand (Economic Capital) that is required to cover losses at the chosen statistical confidence level is compared to Free Capital in Going Concern Approach and Available Financial Resources (AFR) in the Gone-Concern approach. AFR consists of Own Funds plus Other Subordinated.

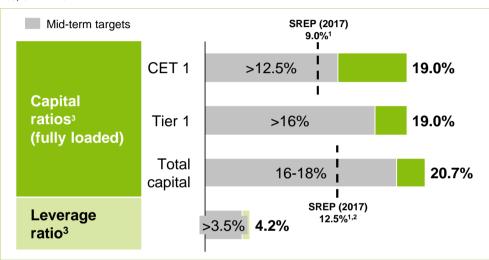
#### **Capital Targets and Issuance Plans**

#### pbb comfortably exceeds targets and requirements



#### **Current vs Target Ratios**

%, 31/12/16



- pbb capital target ratios aim at comfortable capital buffers vs. regulatory requirements (among other they provide cushion for possible RWA growth)
- pbb significantly exceeds those mid-term capital target ratios and of course the underlying regulatory Pillar 1 requirements
  - Where pbb is not CET1 or Leverage constrained AT1 is clearly not required currently
  - Tier 2 therefore is the most cost effective capital instrument to manage Pillar 1 and may provide cushion beyond the 2% bucket
- pbb also comfortably exceeds Pillar 2 requirements where Tier 2 is again the most cost effective instrument to bolster ICAAP Gone Concern and also supports senior bond holders within MREL

#### **Rationale for Tier 2 Issuance**

- Tier 2 issuance is part of a holistic and conservative approach to manage our capital and liability structure. After the recent call of our €350 mn Hybrid Tier 1, Tier 2 replenishes loss absorption capacity to the benefit of senior bond holders.
- Conversely, in regulatory terms Tier 2 issuance seeks to
  - ensure sufficient buffers against potentially volatile ECap requirements in ICAAP
  - maintain sufficient cushion for RWA challenges and expected changes to ECB's ICAAP view
  - replace maturing T2 (2017: €35 mn, 2018: €191 mn, falling out of ICAAP 12M before maturity)
  - take advantage of favourable market conditions
  - lay the foundations to optimize its capital structure in the medium term

**Moderate debt capital requirements** 

Note: Figures may not add up due to rounding

1 Incl. capital conservation buffer, excl. countercyclical buffer 2 Overall Capital Requirement (OCR) 3 %-figures for Capital ratios based on RWA, for Leverage ratio based on leverage exposure

## **Summary & Outlook**

## Solid start into 2017 - strategic initiatives underway



- pbb well on track despite remaining headwinds solid start into 2017 with good operating and financial performance
- Full-year guidance 2017 unchanged
- Strategic initiatives underway to strengthen market position and support profitability
  - Expand US business
  - Expand core business in existing markets with regards to clients and products
  - Develop digitalisation strategies
- Holistic Management of Capital and Funding
  - Contemplated Tier 2 Benchmark
  - pbb exceeds all regulatory Pillar 1 and Pillar 2 requirements

#### **Contact details**



■ Marcus Schulte +49 (0)89 2880 28484

Generalbevollmächtigter <u>Marcus.Schulte@pfandbriefbank.com</u>

■ Björn-Jakob Treutler + 49 (0)6196 9990 2930

Head of Treasury <u>Bjoern-Jakob.Treutler@pfandbriefbank.com</u>

■ **Götz Michl** +49 (0)6196 9990 2931

Head of Funding & Debt IR Goetz.Michl@pfandbriefbank.com

■ Silvio Bardeschi + 49 (0)6196 9990 2934

Funding & Debt IR Silvio.Bardeschi@pfandbriefbank.com

■ Funding Desk funding@pfandbriefbank.com

■ Webpage: www.pfandbriefbank.com/investor-relations.html

© Deutsche Pfandbriefbank AG

Freisinger Strasse 5 85716 Unterschleissheim/Germany +49 (0) 89 28 80-0 www.pfandbriefbank.com

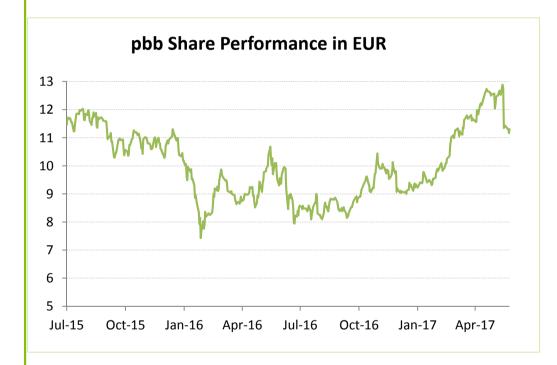


# Appendix

#### **Ownership**

# Successfully reprivatized and floated in July 2015





- Successful IPO in difficult market environment biggest
   IPO 2015 in Germany at that time
- Shares were placed at EUR 10.75 per share total gross volume of placement at approx. EUR 1.2 billion
- MDAX¹ listed since September 2015
- HRE has undertaken, via a lock-up-agreement and subject to certain contractual exceptions, to hold 20 % of the share capital until mid-July 2017

Source: Bloomberg, XETRA daily closing prices

<sup>1</sup> MDAX comprises the 50 largest companies in the Prime Standard Segment of the Frankfurt Stock Exchange that rank below the DAX shares in terms of market capitalisation and trading volume

# Key figures pbb Group



Income statement (EUR millions)	2014	2015	2016
Net interest income	421	426	404
Net fee and commission income	1	14	8
Net trading income	-30	15	-6
Net income from financial investments	-77	-32	125
Net income from hedging relationships	-3	11	6
Net other operating income/expenses	14	-34	-29
Operating income	326	400	508
Loan-loss provisions	-21	1	-1
General and administrative expenses	-251	-207	-198
Net miscellaneous income/expenses	-	1	-8
Profit or loss before tax	54	195	301
Income taxes	-50	35	-104
Net income/loss	4	230	197
Balance sheet (EUR billions)	12/14	12/15	12/16
Total assets	74.9 <sup>2</sup>	66.8	62.6
Equity (excl. revaluation reserve)	3.4	2.7	2.8
thereof: Silent participation1	1.0	-	-
Regulatory capital ratios <sup>3</sup>	12/14	12/15	12/16
RWA (EUR bn)	15.24	13.4	13.1
CET 1 ratio – phase in (%) <sup>5</sup>	22.24	18.9	19.5
Personnel	12/14	12/15	12/16
Employees (FTE)	808	785	756

Note: Annual results 2013-2016 audited 1 EUR 1 bn FMS silent participation redeemed on 6 July 2015 2 Revised due to IAS 8.14 et seq 3 Basel III transitional rules 4 Retrospectively adjusted 5 incl. full-year result, excl. interim result, post proposed dividend

# **Ratings**

# Mandated ratings as of 12 June 2017



Bank ratings	S&P	DBRS
Long-term	A-	BBB
Outlook/Trend	Negative	Stable
Short-term	A-2	R-2 (high)
Stand-alone rating <sup>1</sup>	bbb	BBB
Long Term Debt Ratings		
"Preferred" Senior Unsecured Debt <sup>2</sup>	A-	BBB
"Non-preferred" Senior Unsecured Debt <sup>3</sup>	BBB-	BBB
Subordinated Debt	BB+	BB (high) / Stable

Pfandbrief ratings		Moody's
Public Sector Pfandbrief		Aa1
Mortgage Pfandbrief		Aa1

#### Disclaimer:

The rating information published in this presentation and on our web site are a service for our investors. The information does not necessarily represent the opinion of Deutsche Pfandbriefbank AG. Ratings should not serve as a substitute for individual analysis. The information provided should not be seen as a recommendation to buy, hold or sell securities. Deutsche Pfandbriefbank AG does not assume any liability, including for the completeness, timeliness, accuracy and selection of such information, or for any potential damages which may occur in connection with this information.

The rating agencies may alter or withdraw their ratings at any time. The rating of an individual security issued by Deutsche Pfandbriefbank AG may differ from the ratings shown above or an individual security might not be rated at all. For the evaluation and usage of the rating information (including the rating reports), please refer to the respective rating agencies' pertinent criteria and explanations, terms of use, copyrights and disclaimers, which are to be considered.

Note: The above list does not include all ratings

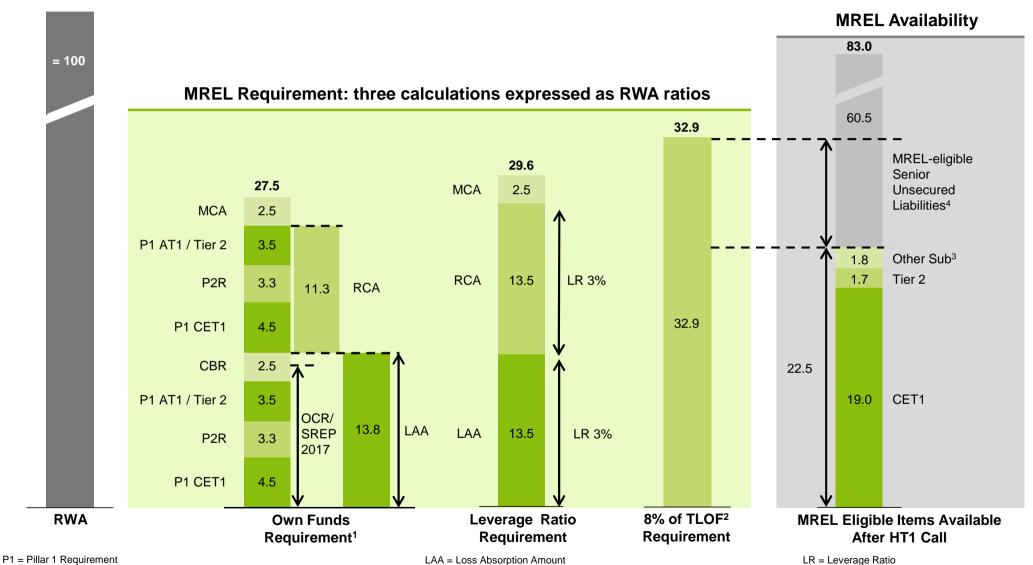
1 S&P: Stand-alone credit profile; DBRS: Intrinsic Assessment 2 S&P: "Senior Unsecured Debt"; DBRS: "Senior Unsecured Debt" 3 S&P: "Senior Subordinated Debt"; DBRS: "Senior Unsecured Debt" 3 S&P: "Senior Unsecured Debt"

#### Minimum Requirement for Own Funds and Eligible Liabilities – pbb Group

22.5 % of MREL RWA met by Debt Capital, including Senior above 80% of MREL RWA

(in % of RWA, fully-loaded as of 31st December 2016, pro-forma after HT1 Call)





RCA = Recapitalization Amount

MCA = Market Confidence Add-on

N.B.: All ratios are expressed in RWA equivalents. Leverage Ratio and Own Funds Ratio computations may vary subject to RWA density among other factors. 1 Own Funds Requirement subject to Basel I Floor 2 Still subject to

OCR = Overall Capital Requirement

TLOF = Total Liabilities and Own Funds

discussion 3 Subordinated instruments not eligible as own funds (residual maturity >= 1 year) after HT1 call 4 Residual maturity >= 1 year

P2R = Total Pillar 2 Requirement

CBR = Combined Buffer Requirement excl. countercyclical buffer

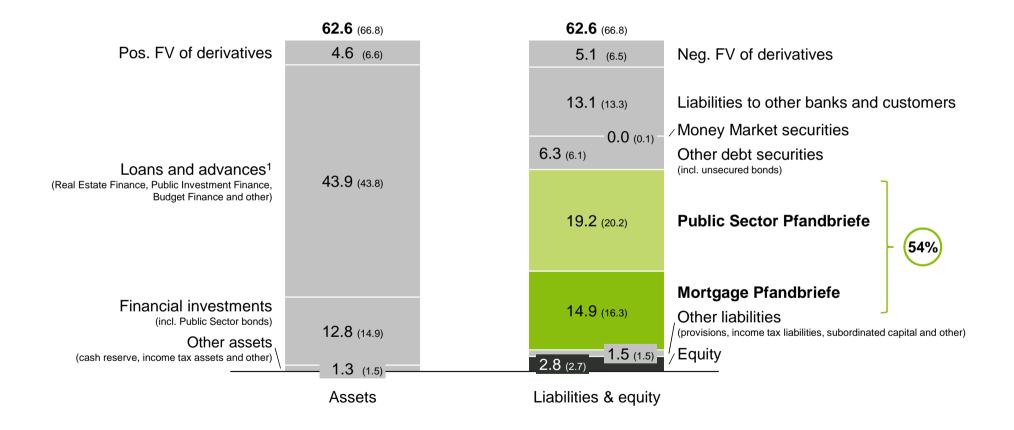
#### **Balance sheet**

# Specialist lender with attractive German Pfandbrief as major funding instrument



Balance sheet: 31/12/2016 (31/12/2015)

IFRS, EUR billions



Note: Figures may not add up due to rounding 1 Incl. allowances for losses on loans and advances

# **Funding**

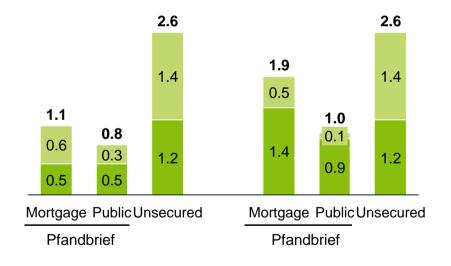
### Diverse funding base through Pfandbriefe, senior unsecured and retail deposits



#### **New long-term funding**

EUR billions1





Private placements Benchmark issuances

#### **Pfandbriefe**

- Four public Benchmark issuances in 2016
  - Focus on currency matched funding: USD 500 mn Public Pfandbrief and GBP 125 mn Mortgage Pfandbrief
- Mortgage Pfandbrief Benchmark (GBP 250 mn; 3y) issued in January and (EUR 500 mn; at MS -6bp) issued in February 2017

#### Senior Unsecured

- Two EUR Benchmarks and strong private placements in 2016
- First CHF unsecured Benchmark since 2009 (CHF 100mn, 5y, MS + 80bp – now trading at +65bp)
  - Strong secondary performance with tightening of 40-50bp in 2016
  - pbb cautiously entered Tier 2 private placement market
- In January 2017, Benchmark (EUR 500 mn; 4y) issued at MS +90bp

#### pbb direkt

■ Total volume increased y-o-y by EUR 0.8 bn to EUR 3.4 bn; average maturity at 3.5 years<sup>4</sup> (09/16: 3.4 years; 12/15: 3.5 years)

#### Funding structure and liquidity

ALM profile and liquidity position remain comfortable (NSFR >100 %; LCR >150 %)

Note: Figures may not add up due to rounding 1 Excl. money market and deposit business 2 vs. 3M Euribor

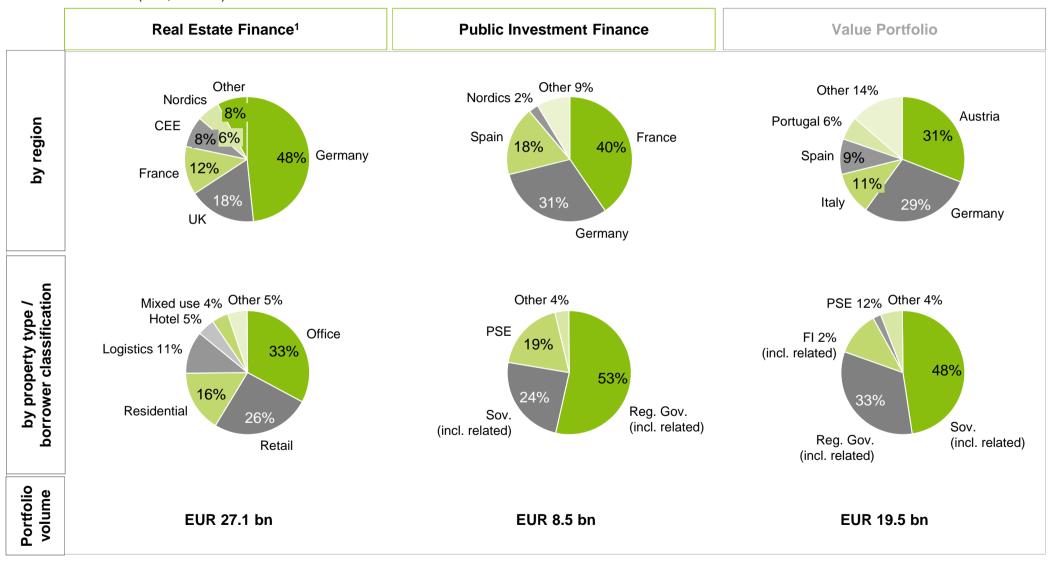
3 Incl. Tier2 issuances 4 Initial weighted average maturity

#### **Portfolio**

# Stable and well diversified portfolio with continued focus on European markets, particularly on Germany



31/12/2016 (EaD, Basel III)



1 Excl. intra-group exposure

Note: Figures may not add up due to rounding

#### Strategic initiatives

#### Strategic initiatives underway to strengthen market position and support profitability



# 1 Expand US business

- US market entered in Q3/16 focused business approach with strict guidelines
- So far, total new business of EUR 0.4 bn closed
- Further business expansion envisaged
- Establish local presence application process with US authorities and organisational process for representative office in New York underway

# Expand core business in existing markets

#### **High Net Worth Individuals**

- Establish partnerships with asset managers with access to this client group but not the in-depths expertise in commercial real estate financing
- Predominantly aims at first class properties and locations

#### Low Leverage Lending

- Low LTV business on the basis of leaner processes and favourable refinancing conditions
- Expand commercial residential client base

#### **Stretched Senior**

- Higher LTV business, based on high financial strength of borrower and accelerated amortisation
- Strict limitations with regard to creditworthiness, duration and repayment

#### **ECA** business

- Expand ECA business through secondary market business
- Develop
  digitalisation
  strategies
- Establish an electronic platform which acts as market place for borrowers and lenders in public financing
- Allows (indirectly) to participate in business which is currently out of reach for risk/return reasons
- Explore further potential, such as REF client interface, credit processing and document management systems