# Deutsche Asset Management Positioned for the future

Capital Markets Day December 5, 2017

### Disclaimer



This presentation contains forward-looking statements, including forward-looking statements related to our asset management business. Forward-looking statements are statements that are not historical facts; they include statements about our beliefs and expectations and the assumptions underlying them. These statements are based on plans, estimates and projections as they are currently available to the management of Deutsche Bank. This presentation (including the forward-looking statements) therefore speaks only as of its date, and we undertake no obligation to update publicly the presentation or any information therein in light of new information or future events.

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This presentation also contains non-IFRS financial measures. For a reconciliation to directly comparable figures reported under IFRS, to the extent such reconciliation is not provided in this presentation, please refer to the Financial Data Supplement Q3 2017 dated October 26, 2017, which accompanies this presentation and is also available at www.db.com/ir. Individual figures (including percentages) in this presentation have been rounded and the sum totals or interim totals contained in the tables may possibly differ from non-rounded figures contained elsewhere in the presentation or may possibly not exactly add up to interim totals or sum totals due to rounding.

To the extent available, the industry and market data contained in this presentation has come from official or third party sources. Third party industry publications, studies and surveys generally state that the data contained therein have been obtained from sources believed to be reliable, but that there is no guarantee of the accuracy or completeness of such data. While we believe that each of these publications, studies and surveys has been prepared by a reputable source, we have not independently verified the data contained therein. In addition, certain of the industry and market data contained in this presentation are derived from our internal research and estimates based on the knowledge and experience of our management in the markets in which we operate. We believe that such research and estimates are reasonable and reliable, but their underlying methodology and assumptions have not been verified by any independent source for accuracy or completeness and are subject to change without notice.

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# Capital Markets Day Agenda



	Top	<u>pic</u>	<u>Speaker</u>	Time (UK)
	We	lcome and opening	Dr. Robert Vollrath	11:00 – 11:10
1	Pos	sitioned for the future	Nicolas Moreau	11:10 – 11:40
2	Investment platform and capabilities			11:40 – 13:00
	а	Investment platform	Stefan Kreuzkamp	
	b	Traditional asset classes: Active & Passive capabilities	Stefan Kreuzkamp	
	С	Alternatives capabilities	Pierre Cherki	
		Multi Asset & Solutions capabilities	Pierre Cherki	
		Lunch break		13:00 – 14:00
3	Dis	tribution	Bob Kendall / Thorsten Michalik	14:00 – 15:05
	а	EMEA	Thorsten Michalik	
	b	Americas	Bob Kendall	
	С	APAC	Thorsten Michalik	
4	Оре	erating platform	Jon Eilbeck	15:05 – 15:25
		Coffee break		15:25 – 15:45
5	Fina	ancial performance and targets	Claire Peel	15:45 – 16:15
6	Sur	nmary	Nicolas Moreau	16:15 – 16:25

Note: This presentation shows adjusted revenues, adjusted costs, adjusted profit before tax and adjusted cost-income ratio (CIR) for Deutsche AM. This presentation also reflects adjustments to the asset management division of DB Group as reported to arrive at a Deutsche AM standalone view. See the appendix for a discussion of these adjustments and a reconciliation from DB Group reported to Deutsche AM adjusted standalone view

## Deutsche AM: Positioned for the future



- Excellent products and investment solutions designed to meet current and future client needs
- 2 Global and balanced distribution reach across multiple channels to support growth
- 3 Scalable operating platform with digital capabilities
- Deutsche AM
- 4 Performance culture and experienced management team
- 5 DB plans for Deutsche AM supportive of strategy and delivery of profit growth
- Positioned to deliver shareholder value through revenue growth, cost discipline and dividend distribution

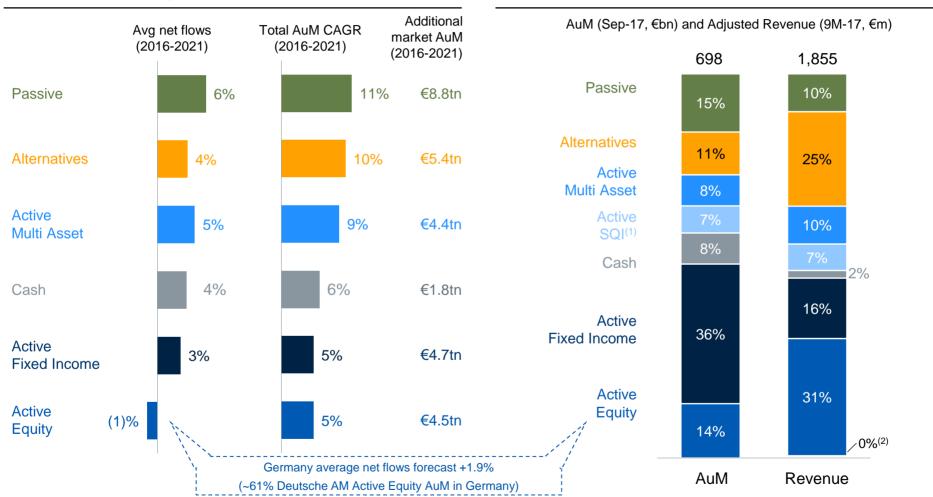


# Capabilities aligned with growth opportunities



#### Market forecast (global)

#### **Deutsche AM**



<sup>(1)</sup> Systematic & Quantitative Investments

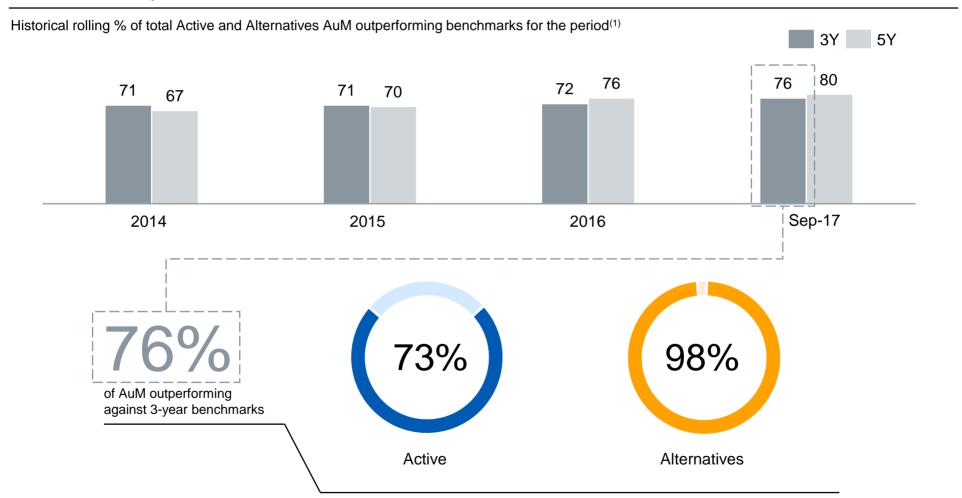
<sup>(2)</sup> Non-product related revenue Source: McKinsey Growth Cube 2017



# Strong and consistent investment performance



#### Investment outperformance



<sup>(1)</sup> Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods (Active as of Sep 30, 2017, Alternatives as of Jun 30, 2017)

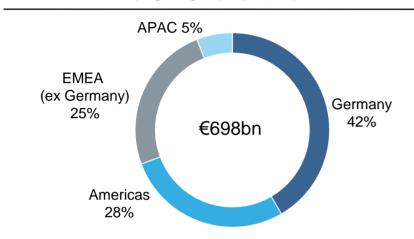
Deutsche Bank



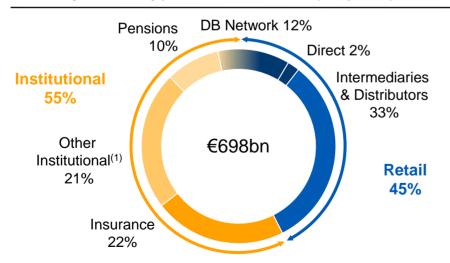
## Attractive client footprint, distribution and market share 🗾



#### AuM source by geography (Sep-17)



#### AuM by client type and channel (Sep-17)



- Global footprint and scaled presence in key markets
- Resilient, well balanced retail / institutional mix
- Limited reliance on Deutsche Bank network distribution
- Strong market share in attractive continental European markets

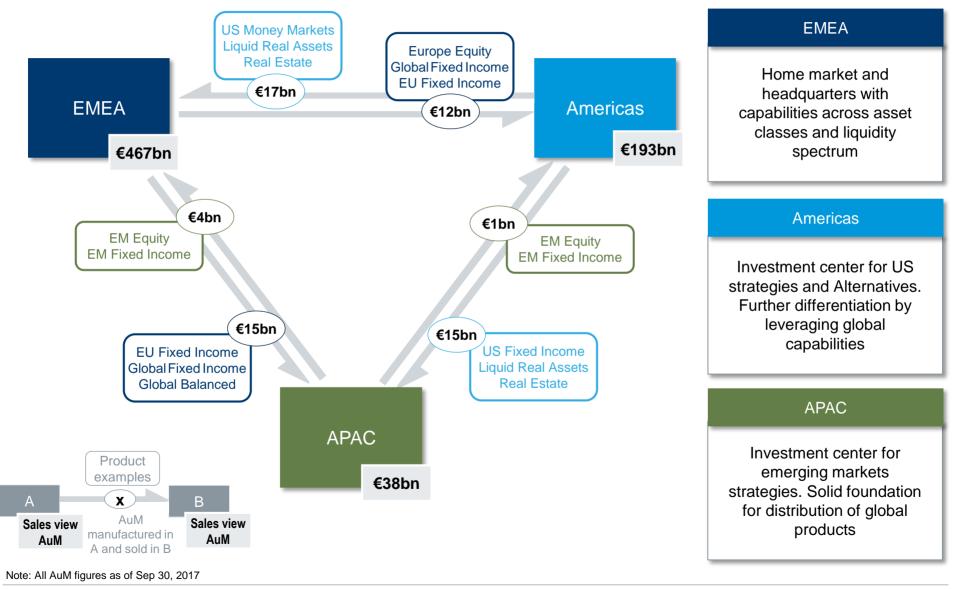


(1) Other Institutional includes Financial Institutions, Corporates and Sovereigns & Non Profits. (2) BVI Statistics mutual funds (Aug 30, 2017). (3) Broadridge (Sep 30, 2017). (4) ETFGI (Oct 31, 2017). (5) Eager Davies Holmes – outsourced non-affiliate general account insurance assets (Dec 31, 2016). (6) P&I Survey (Jun 30, 2017)



# Global delivery from regional centers of excellence





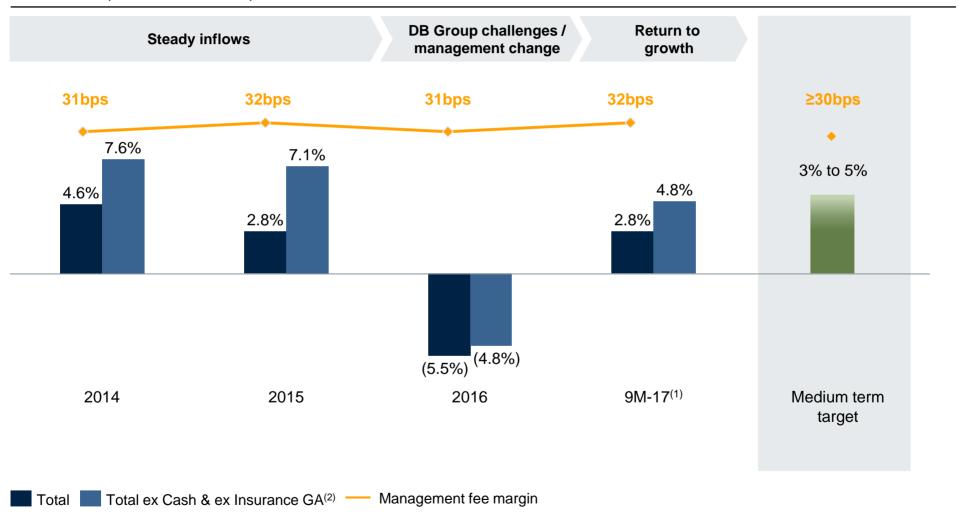
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# Track record of net flows and margin resilience



#### Net flows (% of BoP AuM)



(1) Annualized

(2) Insurance general account



# Strong platform providing operational leverage



#### Key achievements...

Global investment platform

Aladdin

Global end-to-end client platform

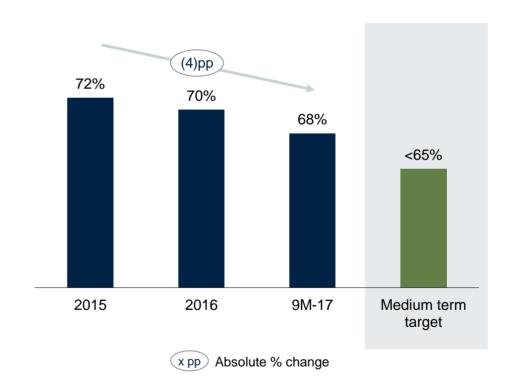
Salesforce

Top tier global trading hub

Scalable platform with significant capacity to grow

#### ...supporting ongoing cost and efficiency improvements

Adjusted CIR





# Digital capabilities to drive growth and cost efficiencies



#### Big Data / Analytics

#### **Digital Distribution**

#### **Operations**













Analytics for predicting behavioral trends in client, product and market

Lambda

Analytics for targeted distribution initiatives based on client behavior

Quantum

Al investing – machine based quantitative investment across all asset classes

White-label robo advisory platform expansion

WISE

Omni-channel mutual fund platform

IKS / Edison

Automation of front-to-back office processes

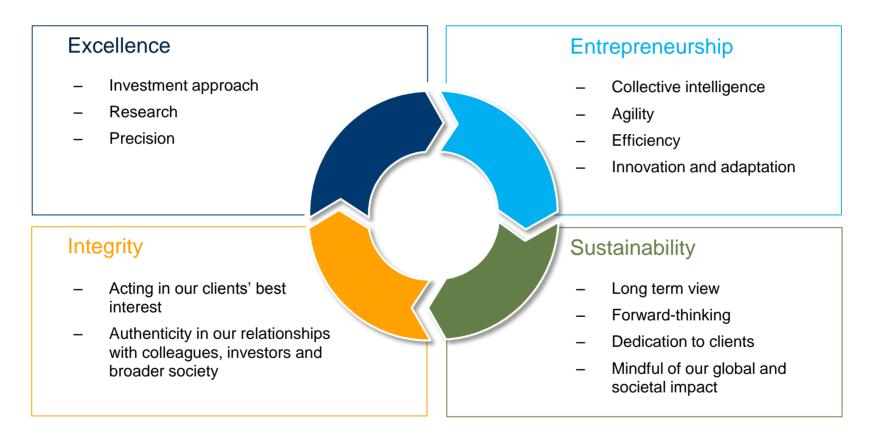
Arthur



# Building a performance culture to deliver our strategy



Embedding a partnership model to attract, retain and motivate the best people ...



... for the benefit of the shareholders, clients, team and society



# Rebrand to enhance external profile







# Experienced and stable management team





Nicolas Moreau Head of Deutsche AM

29

#### Coverage



Bob Kendall
Co-Head of Global
Coverage Group
(Americas)

20

8



Thorsten Michalik Co-Head of Global Coverage Group (EMEA / APAC)

20

17

X

Years of relevant experience

#### **Investments**



Stefan Kreuzkamp
Chief Investment
Officer / Co-Head of
Investment Group









Pierre Cherki

Co-Head of

**Investment Group** 

#### Infrastructure



Jon Eilbeck
Chief Operating
Officer

29

10



Claire Peel Chief Financial Officer

20

20

X

Years at Deutsche AM / DB Group



# Strategy to be the investment partner of choice





# Client coverage

- Maintain leading positions in Germany and EMEA
- Focused growth as multi-specialist in Americas
- Expand coverage in APAC



Investment solutions

- Continue delivering consistent investment outperformance
- Grow Multi Asset and Solutions offering, leveraging our full range of product capabilities
- Select investments in product capabilities (e.g. Alternative Credit, Real Asset Debt, ETFs and Systematic and Quant Investments)



Operating platform

- Leverage operating platform to drive further efficiencies
- Use digital capabilities for enhanced client reach and servicing



Growth capital

- Disciplined allocation of capital for growth
- Deployment of seed capital and co-investment for growth
- Significant shareholder distributions



## DB plans for Deutsche AM to support strategy



#### Governance to support strategy

- KGaA<sup>(1)</sup> structure
  - Operational autonomy for Deutsche AM
  - Facilitates Deutsche Bank's regulatory compliance
- Shareholder relationship with DB, including key governance and oversight matters, to be set out in Relationship Agreement
- Balanced Supervisory Board composition
  - Independent members
  - Employee representatives
  - DB Group representatives
- Karl von Rohr, Chief Administrative Officer of DB Group, to serve as Chairman of the Supervisory Board

#### Goals of announced strategy

- ✓ Enhance **external profile** for Deutsche AM
- ✓ Leaner decision making processes and further efficiency gain potential
- Streamline operational processes to improve client experience
- Separate incentive model to attract new staff and retain key employees
- Increase flexibility for future growth opportunities

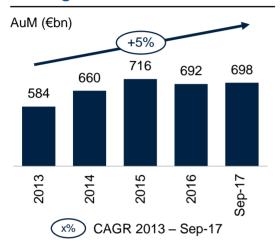


# Strong profit from revenue growth and cost discipline

Y-o-Y change

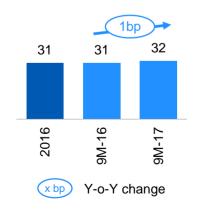


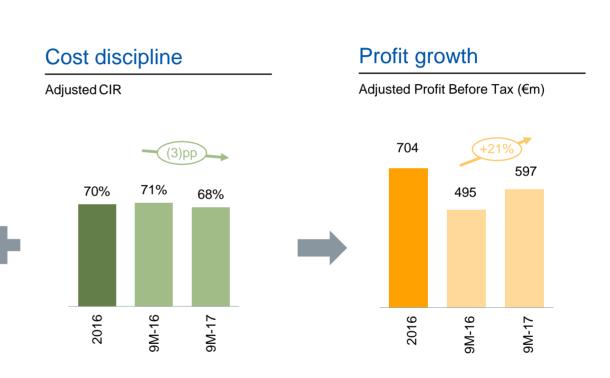
#### AuM growth



#### Stable margins

Management fee margin (bps)





Y-o-Y change



# Positioned to deliver shareholder value



Strategy	KPI	9M-17	Medium term financial targets
Positioned to capture net flows	Net flows (% of BoP AuM)	2.8% <sup>(1)</sup>	3% to 5%
Consistent margin resilience	Management fee margin	32bps <sup>(1)</sup>	≥30bps
Operational leverage and cost discipline	Adjusted CIR	68%	<65%
To deliver strong earnings and dividend growth	Dividend payout ratio (% of net income)	n.a.	65% to 75%
(1) Annualized			

(1) Annualized

## Deutsche AM: Positioned for the future



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- Positioned to deliver shareholder value through revenue growth, cost discipline and dividend distribution

## Contents

Positioned for the future 2 Investment platform and capabilities Investment platform a Traditional asset classes: Active & Passive capabilities Alternatives capabilities Multi Asset & Solutions capabilities Distribution **EMEA** Americas APAC Operating platform Financial performance and targets Summary

# A truly global integrated platform



#### Deutsche AM: European origin with a global perspective



Note: Investment professionals are defined as employees (headcounts) whose primary role contributes to the performance of Deutsche AM's investments (as of Sep 30, 2017) (1) EMEA excluding Germany

# Stable investment team with long tenure and loyalty



#### Thematic coverage across asset classes

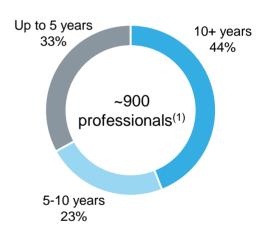
**Business line view** 

#### Alternative investment style **Traditional investment style** Other Alts 8% Fixed Income Infrastructure 3% 17% **Active** Liquid Real Assets 4% 47% **Alternatives** ~900 Equity 42% professionals(1) 11% Systematic & Real Estate Quantitative 11% 27% Macro / Other 8% **Multi Asset Passive** 5% 6%

- In-depth expertise in traditional and alternative businesses
- Cross-asset interaction enables multi asset products and solutions

#### Experienced team

Staff tenure



- 10 years average tenure of investment professionals
- 13 years average tenure for senior portfolio managers<sup>(2)</sup>
- 94% retention of top performers<sup>(3)</sup>

<sup>(1)</sup> All employees (headcounts) whose primary role contributes to the performance of Deutsche AM's investments (as of Sep 30, 2017)

<sup>(2)</sup> Portfolio managers whose corporate title is Director or Managing Director

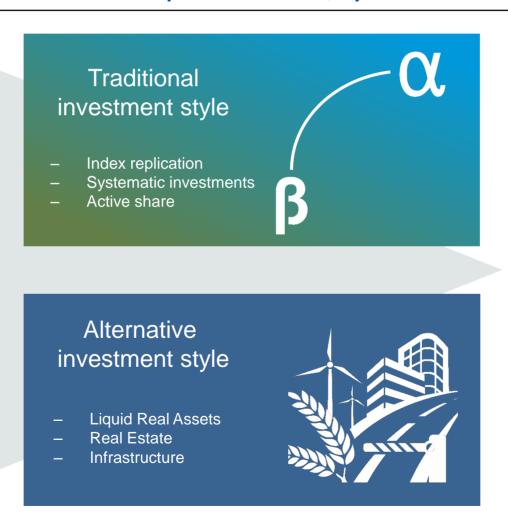
<sup>(3)</sup> Annualized retention rate (excluding restructuring) of Deutsche AM employees with a performance rating of 'exceptional' between Jan 1, 2015 and Sep 30, 2017

# Global investment platform: a holistic view



#### Investment capabilities across all major asset classes, styles and solutions







# Investment process: global, consistent and transparent



#### Integrated, transparent & client-oriented



Ensure, evaluate and confirm or improve quality in terms of performance, risk and skill

# Research & CIO View: integral to our investment process





#### Research

Macro drivers

- Forecast: GDP, inflation, monetary & fiscal policy

Fixed income

Macro

- Proprietary fundamental research
- Credit coverage (90% market value)(1)

- Proprietary fundamental research
- Company due diligence / on-site visits(2)

- Proprietary fundamental research
- >250 real estate markets / sectors covered

recommendations

recommendations

#### **CIO View**



- Macro-economic
- Financial market forecasts
- Single asset class outlook
- Multi Asset allocation
- Market risks

Internal & external users:

#### Portfolio Management (internal)

- Translating input factors into investable decisions

#### Coverage (internal)

- CIO View presentation
- Market outlook
- Client interactions

#### Clients (external)

- CIO roadshows
- Weekly / ad-hoc calls
- Website





#### Aladdin research platform

- (1) Barclays, Barclays Global Agg. Corp., universe coverage data by Deutsche AM (data as of Mar 1, 2017)
- (2) 3,000 to 4,000 company visits incl. field trips and conferences

# Portfolio Construction & Management: tailoring to strategy-specific requirements





#### **Portfolio Construction**



#### Key inputs

- Expert knowledge & research
- Company visits & management interviews
- Quantitative screening



- ESG factors



#### **Process**

- Team discussions: challenge views & assumptions
- Portfolio construction tools (i.e. Aladdin Portfolio Risk Tool & Prism)



- Portfolio diversification & risk management



#### Key outputs

Lead portfolios for every major asset class



#### Portfolio Management



#### Key inputs

- Lead Portfolio serves as a guide for implementation
- Client or product-specific restrictions and objectives



#### **Process**



- Liquidity need & timeliness of implementation
- Portfolio correlations & regulatory limitations
- Trade execution (including trade controls)



#### Key outputs

- Client mandates
- Mutual funds



# Investment Quality Management: identify & reveal sources of risk, skill and performance

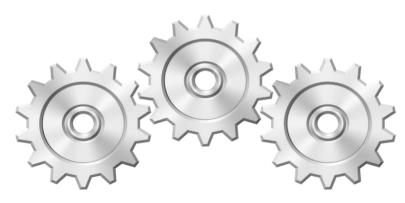




#### Connecting performance, risk & investment process

- Review attribution of returns
- Evaluate research quality & recommendations

#### **Performance**



#### Risk

- Evaluate risks
- Decompose risk factors

#### **Investment process**

- Review investment process
- Govern the investment process

Key results & outcomes

# Cross-portfolio scan (XPS)

Positive and negative performance, as well as risk outliers

# Portfolio health check

Detailed performance attribution and risk contribution

# Process health check

Effectiveness & rigor of implementing the investment process

# Liquidity / scores

Analysis of portfolio liquidity & scores to detect and report liquidity issues

#### Action plan

Agreed actions for e.g. PM, style or benchmark change to ensure long term consistency

# Quality stamp report

Strategies, portfolio composition, performance, risk & process

## Contents

- 1 Positioned for the future
- 2 Investment platform and capabilities
  - a Investment platform
  - b Traditional asset classes: Active & Passive capabilities
  - c Alternatives capabilities
  - d Multi Asset & Solutions capabilities
- 3 Distribution
  - a EMEA
  - b Americas
  - c APAC
- 4 Operating platform
- 5 Financial performance and targets
- 6 Summary



# Traditional asset classes: from replication to active share



#### The investor's rationale: alpha & beta vehicles for every market trend

Easy market access, liquidity, cost-efficiency, replication

**>** 

Smart beta

Quant investing



Active share

Stock & bond selection



Core Beta

Pure Alpha





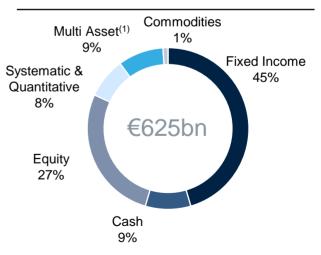
~500

investment professionals

#### AuM by style



#### AuM by asset class



Note: All AuM figures as of Sep 30, 2017

(1) Therein €58bn Active Multi Asset AuM (9%) that are covered in distinctive section Multi Asset & Solutions capabilities

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# B Passive overview



€107bn

18 years of index replication experience

~60 investment professionals

AuM by asset class

#### AuM by product type















Physical replication<sup>(4)</sup>

Note: All AuM figures as of Sep 30, 2017

- (1) Multi Asset capabilities covered in distinctive section Multi Asset & Solutions capabilities
- (2) ETFGI (as of Oct 31, 2017)
- (3) Morningstar (as of Sep 30, 2017)
- (4) Combined weighted physical replication of 74% for Equity and 85% for Fixed Income targeted at Dec 31, 2017

# Passive tracking accuracy



#### Process to strive for best in class tracking products

#### Index analysis

- Ex-ante analysis of the benchmark
- Assessing potential sources of tracking error

#### Portfolio construction & trading

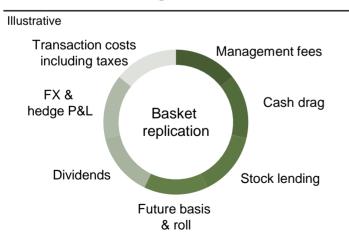
- Replication methodologies (synthetic & physical)
- Portfolio construction aiming to minimize tracking error
- Pre / post trade analysis determining optimal trading strategies

#### Portfolio & index monitoring

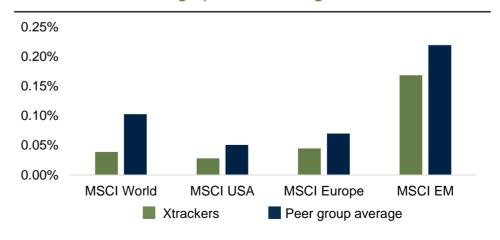
- Index monitoring
- Corporate actions monitoring
- Daily performance attribution
- Ex-post tracking error and competitors analysis

Continuous risk monitoring & performance review

#### Sources of tracking error



#### Xtrackers vs. average peers' tracking error(1)



(1) Deutsche AM analysis: Xtrackers ex-post tracking error vs. average peers' tracking error 10M-17 in equity (peer group that offers all four products: HSBC, BlackRock, UBS)



# Well positioned against passive industry trends



#### Full-range offering, differentiating through innovation and specialities

Product type	Description	Cumulative net flows 14-16 in €bn	Net flows 9M-17 in €bn	AuM Sep-17 in €bn	Europe / APAC	US
Core Beta	Replication of traditional equity or bond indices	11.7	5.6	72.6		Differentiate with product innovations
Beta Plus	Enhanced index returns by small intended benchmark deviations	0.6	(0.2)	8.1		
Strategic Beta	Weighting traditional indices with factor, quality or systematically	(1.6)	0.6	5.3		
Specialities	Commodities & overlays (ESG, FX hedged, short / leveraged)	14.9	(0.2)	21.5		

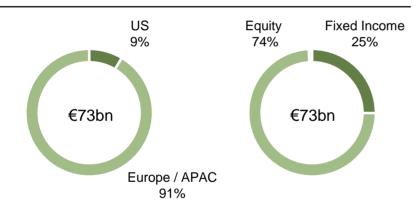
# **B** Core Beta



#### Key facts

- Core ETFs: Major benchmarks, physical replication
- Customized mandate solutions
- ~250 benchmarks accessible via ETFs
- ★ 50 Funds with 4&5 Morningstar stars<sup>(1)</sup>

#### AuM by asset class & contracted region



#### Product highlights

Name	AuM (€bn)	Morningstar
MSCI EAFE Hedged Equity ETF (DR)	7.0	****
Euro Stoxx 50® UCITS ETF (DR)	5.3	***
Eurozone Government Bond UCITS ETF (D	R) 1.7	***

Capabilities



- EQ indices (global, regional, emerging markets and REITs)
- Fixed income indices (sovereigns, inflationlinked & EM)
- Customization (e.g. ESG overlay, FX hedge, factor weighting)



- Extend fixed income corporates range (i.e. US higher yielding)
- Continue to invest in automation to improve straightthroughprocessing rates



 Increase fixed income range (local EM debt, short duration)

#### **Growth initiatives**

- Complete Core Beta range (US higher yielding corporates, local EM debt, short duration ETFs)
- Capitalize on scalable platform to participate in market growth outside mature markets
- New online advice models (robos) are well suited for ETF / ETP structures

Note: All AuM figures as of Sep 30, 2017 (1) Morningstar (as of Sep 30, 2017)

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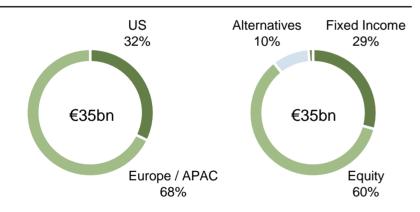
# Beta Plus, Strategic Beta and Specialities



#### Key facts

- Development of innovative Strategic Beta products
- Thought leadership: Passive Insights
- 🛊 17 Funds with 4&5 Morningstar stars(1)

#### AuM by asset class & contracted region



#### Product highlights

Name	AuM (€bn)	Morningstar
S&P 500® Equal Weight UCITS ETF (DR)	0.4	***
EUZ Gov Bond Yield Plus 1-3 UCITS ETF (	DR) 0.5	***
iBoxx Sov EUZ Yield Plus UCITS ETF	1.0	****

Note: All AuM figures as of Sep 30, 2017 (1) Morningstar (as of Sep 30, 2017)

#### Capabilities



- Broad offering of factor ETFs benchmarked to MSCI factor indices
- Deutsche.4C quality weighting approach & yield plus concept



 Thematic ETFs such as artificial intelligence, electric / autonomous drive and cyber security

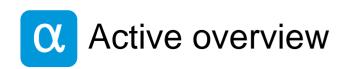


 Differentiate with product innovation and specialist (niche) products

#### Growth initiatives

- Leverage joint venture relationships and local presence to expand in China, Hong Kong, Japan and Australia
- Increase penetration in key institutional client segments: public and private pension plans, insurance companies, corporates and central banks
- Build on increased demand for multi-factor, smart beta, multi asset and ESG

Deutsche Bank





€517bn

 $AuM^{(1)}$ 

>60 years

~450 investment professionals

#### AuM by asset class

# Multi Asset<sup>(1)</sup> 11% Systematic & Fixed Income 49% €517bn Equity 19% Cash

#### AuM by distribution channel



#### Key highlights

#1
Retail Germany<sup>(2)</sup>

#4

Retail Europe<sup>(3)</sup>

27%

Market share retail Germany<sup>(4)</sup>

99 Funds with

4&5 MS stars<sup>(5)</sup>

Note: All AuM figures as of Sep 30, 2017

11%

- (1) Therein €58bn Active Multi Asset that are covered in distinctive section Multi Asset & Solutions capabilities
- 2) BVI statistics mutual funds by AuM (as of Aug 31, 2017)
- 3) Broadridge by AuM (as of Sep 30, 2017)
- (4) Morningstar (as of Dec 31, 2016)
- (5) Morningstar (as of Sep 30, 2017)



# Well positioned against active industry trends

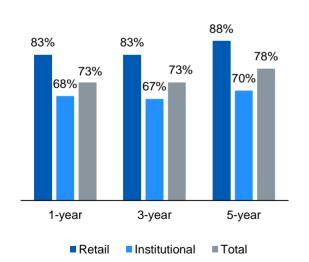


#### Quality of flows is improving, strategy to focus on Multi Asset is delivering

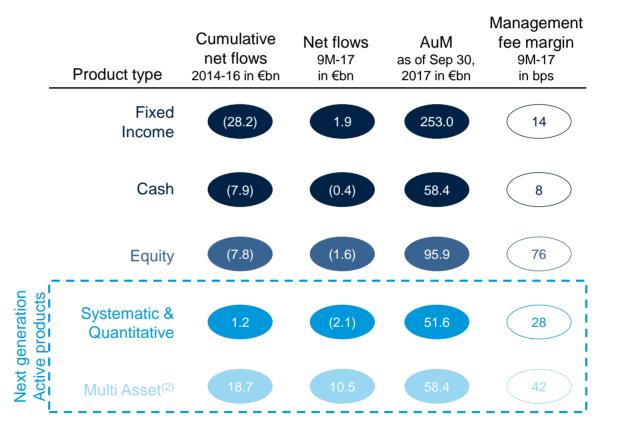
73%

of AuM outperforming 3y-benchmarks

Strong investment performance<sup>(1)</sup>



#### Growth in higher margin products



<sup>(1)</sup> Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017

<sup>(2)</sup> Multi Asset capabilities covered in detail in the distinctive section Multi Asset & Solutions capabilities



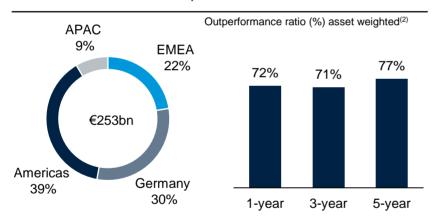


- Global team of >200 research & investment professionals
- Research universe: >1,750 issuers >1,400 structured finance transactions



26 Funds with 4&5 Morningstar stars(1)

#### AuM and investment performance

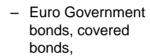


#### **Product highlights**

Fund name	AuM (€bn)	Morningstar
Deutsche Floating Rate Notes LC	6.0	***
Deutsche Invest I Euro Corporate Bonds LC	1.8	***
Deutsche Managed Municipal Bond S	4.4	****

#### Capabilities





- US Municipals bonds,
   China bonds
- Corporate credit: IG (Euro, US, Global),
   HY (Euro, US), Asian credit, EM credit,
   corporate hybrids



- Global unconstrained
- EM hard currencies



## WORK IN

- Illiquid fixed income (structured finance, loans, CLOs)
- EM local currencies

#### **Growth initiatives**

- Money market enhanced solutions (capturing rising interest rate environment): short duration credit, floating rate notes
- Expand offering in illiquid fixed income investing: monetize illiquidity / complexity premium
- Develop ESG-compliant corporate credit offering for institutional clients

Note: All AuM figures as of Sep 30, 2017

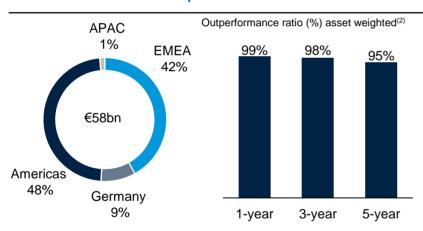
- (1) Morningstar (as of Sep 30, 2017)
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017





- Global team of >20 research and investment professionals
- Research universe: >400 issuers<sup>(1)</sup>, company limit control system

#### AuM and investment performance



#### **Product highlights**

Fund name	AuM (€bn)	Rating
DGLS Deutsche Managed Euro Fund	5.8	AAA-mf
DGLS Deutsche Managed Dollar Fund	12.5	AAA-mf
Government Cash Management Portfolio (US	5) 15.0	AAA

Note: All AuM figures as of Sep 30, 2017; DGLS: Deutsche Global Liquidity Series plc

- (1) Universe with overlaps to Fixed Income, coverage without overlaps is >200
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017

#### Capabilities



- ESMA compliant money market funds (short-term & regular)
- Constant NAV funds (EUR / USD / GBP)
- Segregated account offering



 Official fund rating of product range by rating agencies



 Trade receivables as a new money market instrument

#### **Growth initiatives**

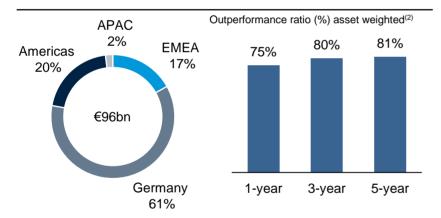
- Well positioned to capture market-dependent growth in times of moderate rising interest rates (Fed hiking, ECB tapering)
- Expand 'segregated account offering' for cash mandates
- Corporate Cash Management: growth potential with multinational companies through switch potential in major currencies





- Global team of >100 research and investment professionals
- Research universe: >800 issuers
- ★ 34 Funds with 4&5 Morningstar stars(1)

#### AuM and investment performance

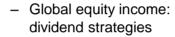


#### **Product highlights**

Fund name	AuM (€bn)	Morningstar
DWS Top Dividende LC	19.8	***
DWS Deutschland LC	6.7	****
Deutsche Core Equity Fund (US) S	3.0	****

#### Capabilities





- Dominance in home market: European & German equity
- Small / mid cap equity Europe



- Income product suite: US & Japan dividend strategies
- Emerging Market equity



ESG equity offering

#### **Growth initiatives**

- Environmental, Social & Governance: development of ESG offering for institutional clients, strengthen offering with ESG overlay for retail flagship strategies
- Grow regional income product suite: US & Japan dividend strategies
- Diversification: Optimize US equity products with model driven investment strategies

Note: All AuM figures as of Sep 30, 2017

- (1) Morningstar (as of Sep 30, 2017)
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017



## C Equity: strong alpha & income generation



#### Examples of long term superior performance delivered to our clients

## Global equity blend DWS Akkumula

\* \* \* (Morningstar)

6.8

% performance p.a. since launch in 1961

## European equity Deutsche Invest I Top Euroland

\* \* \* \* (Morningstar)

405

bps average outperformance p.a. (7y, gross)

## German equity DWS Deutschland

 $\star\star\star\star\star$  (Morningstar)

446

bps average outperformance p.a. (7y, gross); 9 / 10 years

## Emerging Markets equity Deutsche Invest I Global EM

★★★★ (Morningstar)

4.7

% outperformance (3y) vs. MSCI Emerging Markets TR net

## Global equity income DWS Top Dividende

★ ★ ★ ★ (Morningstar)

3.4

% p.a. distribution yield on average

# US equity Deutsche Core Equity Fund ★★★★ (Morningstar)

#21

of 1,083 funds in Morningstar rankings (top 2%, 5y)

## Small / mid cap equity DWS European Opportunities

\* \* (Morningstar)

382

bps average outperformance p.a. (7y, gross)

## Thematic equity Deutsche AM Smart Industrial T. ★★★★ (Morningstar)

**1** St

Morningstar quartile (1y,3y,5y peer group)

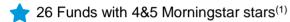
Note: As of Sep 30, 2017

## Systematic & Quantitative Investments

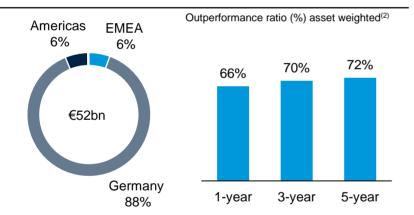


#### **Key facts**

- Global team of >60 research and investment professionals
- 3 distinctive quantitative investment processes with 19 proprietary models (i.e. optimizer, selection)



#### AuM and investment performance



#### **Product highlights**

Fund name	AuM (€bn)	Morningstar
DWS Vorsorge Premium	1.2	***
DB Platinum CROCI Sectors Fund I2C	0.5	***
Deutsche Quant Equity Europe SC	0.1	***

#### Capabilities



- CROCI: systematic long-only equity strategy, focus on real earnings weight
- SOP Quant dynamic multi-factor (equity)
- Individualized pension products (ICPPI engine)



 Risk-factor investing: absolute return & tailored offering



 SOP Quant dynamic multifactor investing (fixed income)

#### **Growth initiatives**

- Enhance quant offering: develop equity strategies (EM / ESG overlay) and build fixed income (FX / credit)
- CROCI: broadening research universe (including financials), strengthen CROCI RiskPremia long / short and focus on US mid cap, deep value and intellectual capital
- Leveraging individualization expertise for next generation retirement products and for our digitalization effort (iLifeCycle)

Note: All AuM figures as of Sep 30, 2017

- (1) Morningstar (as of Sep 30, 2017)
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017

## Contents

- 1 Positioned for the future2 Investment platform and capabilitiesa Investment platform
  - b Traditional asset classes: Active & Passive capabilities
  - c Alternatives capabilities
  - d Multi Asset & Solutions capabilities
  - 3 Distribution
    - a EMEA
    - b Americas
    - c APAC
  - 4 Operating platform
  - 5 Financial performance and targets
  - 6 Summary



€74bn

45+ years

#11

AuM

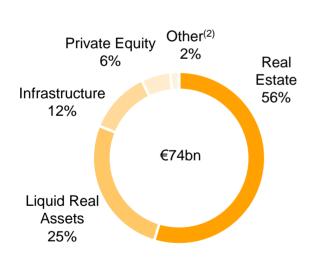
Investment heritage

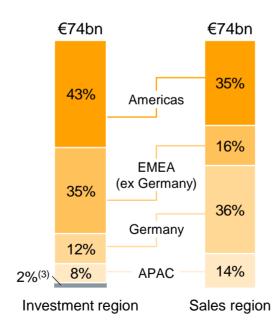
Global real estate platform<sup>(1)</sup>

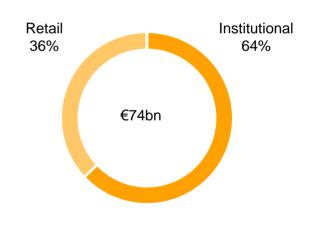
AuM by asset class

AuM by region

AuM by client type







Note: All AuM figures as of Sep 30, 2017

1) P&I Survey (as of Jun 30, 2017)

2) Includes Hedge Funds and Sustainable Investments

(3) Includes swaps and fee earning committed capital with no investment geography (~2% of AuM)



## Alternatives: well positioned as a growth business



#### Key hallmarks

## Leading alternatives manager with a long term track record

- €74bn in AuM
- Comprehensive alternatives platform with proven record:
  - #11 real estate manager globally<sup>(1)</sup>
  - #3 infrastructure securities and #8 global real estate securities manager<sup>(2)</sup>
  - Consistently outperforming benchmarks and target returns

# Experience serving institutional and individual investors

- Fiduciary mindset serving private clients, governments, corporations and institutional investors
- Versatile vehicles including bespoke separate accounts, open- and closed-end commingled funds, 40-Act mutual funds and collective investment trusts for select strategies

# **Global**, disciplined **research-driven** investment process with on-the-ground expertise

- 20 alternatives research professionals located in 6 cities worldwide
- Collaboration among senior investment professionals to develop actionable strategies
- Covering >250 real estate markets / sectors across 23 countries and 7 macroinfrastructure sectors and subsectors
- Top-down strategy portfolio construction & bottom-up asset selection
- Alternatives thought leadership publications available on global & regional scale

Note: All AuM figures as of Sep 30, 2017 (1) P&I Survey (as of Jun 30, 2017)

(2) eVestment (as of Sep 30, 2017)



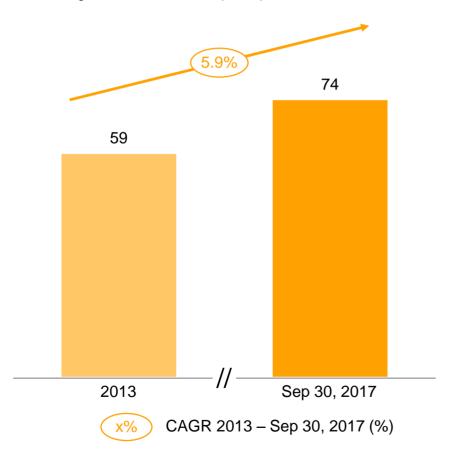
## AuM growth and investment outperformance



#### **AuM**

#### Investment performance

Deutsche AM global alternatives AuM (in €bn)



Global Alternative AuM outperforming<sup>(1)</sup>

Direct Real Estate AuM outperforming<sup>(1)</sup>

Direct Infrastructure AuM outperforming<sup>(1)</sup>

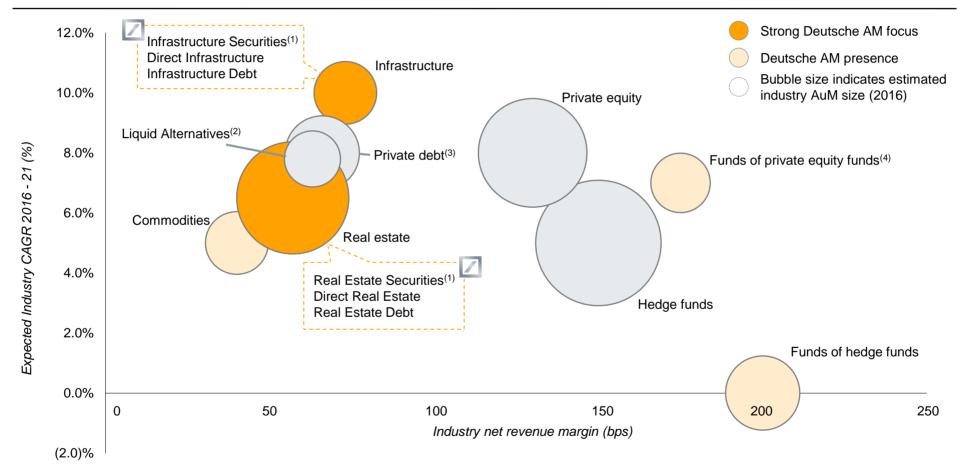
(1) 3-year aggregate asset-weighted gross outperformance of products that have benchmark spreads available as of Jun 30, 2017



# Strongest focus on high growth and stable revenue areas of the global alternatives markets



#### Alternatives landscape



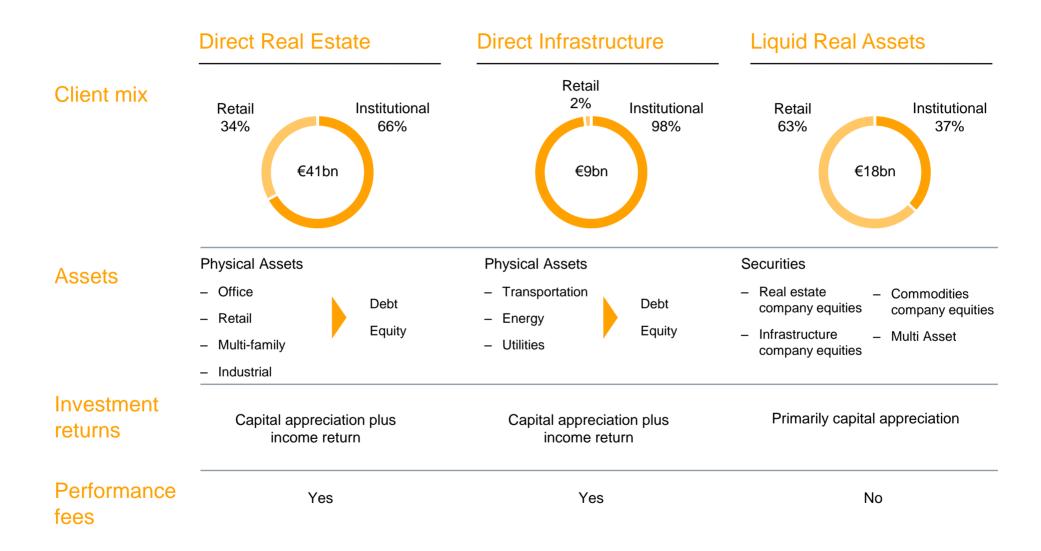
- (1) Liquid Real Assets
- (2) Includes absolute return, long and short, market-neutral, and volatility mutual funds
- (3) Includes privately placed debt, bank loans, distressed debt, and mezzanine debt
- (4) Includes secondaries

Source: The Innovators Advantage, BCG 2017



# Primary focus on Direct Real Estate, Direct Infrastructure and Liquid Real Assets





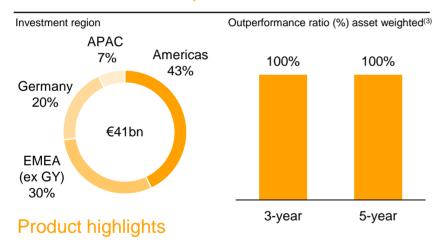
Note: All AuM figures as of Sep 30, 2017





- #11 global real estate manager<sup>(1)</sup>
- 45 years of fiduciary experience
- 1,000+ properties and 13m+ square meters
- 365+ institutional clients across 20 countries

#### AuM and investment performance



Fund name	AuM (€bn)	3 Year CAGR <sup>(2)</sup>
RREEF America REIT II	10.2	12.2%
Grundbesitz Europa	6.8	11.3%

Note: All AuM figures as of Sep 30, 2017 (1) P&I Survey (as of Jun 30, 2017)

- (2) As of Sep 30, 2017
- (3) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Jun 30, 2017
- (4) Global Real Estate Sustainability Benchmark
- (5) Core Plus Industrial Fund
- (6) Asia Core Real Estate Fund
- (7) RREEF Property Trust

#### Capabilities



- Equity: Core real estate investing
  - Americas: Flagship REIT II, top quartile performer
  - Europe: Grundbesitz Funds and Europe II
- ESG: Achieved Green Star recognition from GRESB<sup>(4)</sup> in 2017 on more than 60% of real estate AuM



- Americas: CPIF<sup>(5)</sup>
   launched to meet
   investor demand for
   industrial assets
- Expand institutional foothold
  - ACREF<sup>(6)</sup> to complete regional line-up
- Debt: Expanding real estate debt platform



- Americas:
  - Building core real estate defined contribution fund
  - Expanding retail presence for RPT<sup>(7)</sup> strategy
- Scaling target real estate portfolio allocation based on Alts Research strategic outlook

#### Growth initiatives

- Grow newly launched US Core Plus Industrial Fund into flagship sector specific offering
- Leverage existing institutional separate account relationships for growth across real estate strategies
- Bring new hybrid private / public real estate vehicle to market to access fast-growing defined contribution market segment





- Regional strategies in both infrastructure equity and debt
- 84 direct infrastructure acquisitions since 1994
- 44 assets currently under management
- Teams of dedicated professionals in London and New York

#### AuM and investment performance



#### **Product highlights**

Fund name	AuM (€bn)	SI Return (Gross) <sup>(1)</sup>
Pan European Infrastructure Fund	5.8	11.6%
Pan European Infrastructure Fund II	2.1	NEW

Note: All AuM figures as of Sep 30, 2017

- (1) As of Jun 30, 2017
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Jun 30, 2017
- (3) Pan European Infrastructure Fund
- (4) Rated Infrastructure Notes

#### Capabilities







- Equity: Core infrastructure investing:
  - Europe:
    - PEIF I<sup>(3)</sup> flagship, topquartile performer
    - PEIF II launched with PEIF I investors comprising ~42% of committed capital
- Debt: Launched first of its kind infra. debt structured credit fund (RIN) (4)

- US: Expanding investment grade infrastructure debt platform
- Europe: Building investment grade infrastructure debt platform
- US: Gaining core infrastructure exposure in US by leveraging European client base seeking regional allocation

#### **Growth initiatives**

- Expand regional offering with US and global equity infrastructure funds to complement highly successful European business
- Build on recent momentum in infrastructure debt in the US and Europe, including infrastructure debt campaign for the Insurance channel
- Highlight bespoke infrastructure solution capabilities by adding new separately managed accounts



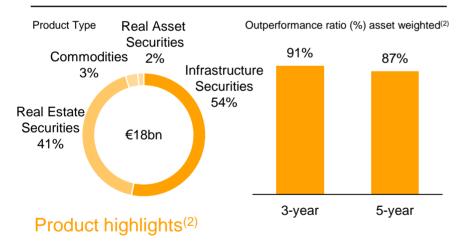


49

#### Key facts

- With €18 billion AuM, one of the world's largest liquid real asset managers
- #3 infrastructure securities and #8 global real estate securities manager<sup>(1)</sup>
- Newly launched Global Real Assets strategy attracting strong interest from both retail and institutional investors

#### AuM and investment performance



Fund name	AuM (€bn)	Morningstar ( Share Class )
Deutsche Invest I Global Infrastructure	0.8	<b>★★★★</b> (FC)
Deutsche Real Estate Securities Fund	1.2	★★★★ (Instl)

#### Capabilities







- Global real estate securities investing
- Global infrastructure securities investing
- Growing real asset securities offering
- Refining commodities product offering

#### **Growth initiatives**

- Broaden global real asset securities offering
- Develop competitively priced vehicles for US-based defined contribution plans
- Further develop multi asset and income solutions capabilities
- Tailor bespoke solutions based on specific client needs

Note: All AuM figures and Morningstar ratings as of Sep 30, 2017

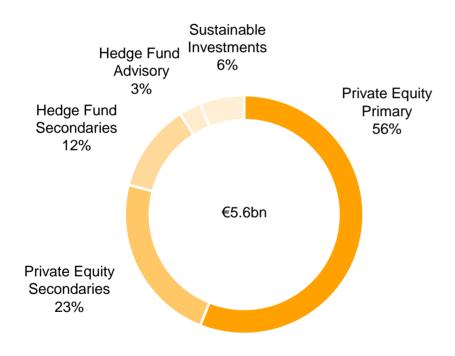
- (1) eVestment (as of Sep 30, 2017)
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Jun 30, 2017

## Focused growth businesses within Alternatives



#### Sustainable Investments, Hedge Funds, and Private Equity

AuM breakdown by business as of Sep 30, 2017



#### Sustainable Investments

- Private debt and equity investment solutions with emphasis on social and environmental impact investing
- 20 years of sustainable investing activities from dedicated global teams
- Global expertise: sustainable and impact funds, covering 23 low and lower-middle income countries
- Opportunity to leverage growing institutional investor interest in impact investing

#### Hedge Fund Advisory

- Traditional multi-manager hedge fund solutions
- Strategy advice on asset allocation, manager selection and portfolio management
- Expertise in illiquid niche credit strategies and risk premia investing

#### Hedge Fund Secondaries

Distressed fund interests

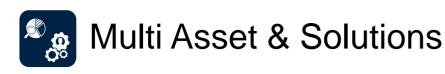
#### **Private Equity**

Primary fund of funds and secondary opportunities

## Contents

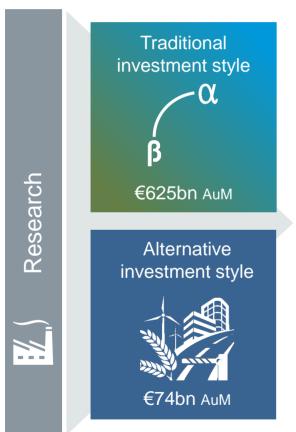
Summary

Positioned for the future Investment platform and capabilities Investment platform Traditional asset classes: Active & Passive capabilities Alternatives capabilities Multi Asset & Solutions capabilities Distribution **EMEA** Americas **APAC** Operating platform Financial performance and targets





#### Leveraging capabilities across the global investment platform - well setup to compete for growth







Note: All AuM figures as of Sep 30, 2017

<sup>(1)</sup> Morningstar (as of Sep 30, 2017)

<sup>(2)</sup> Eager Davies Holmes - outsourced non-affiliate general account insurance assets (as of Dec 31, 2016)



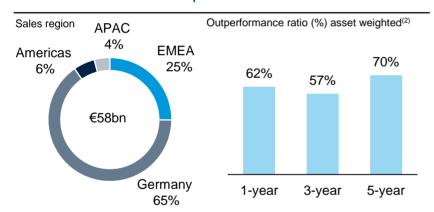


- Global team of >50 research and investment professionals
- Dedicated cross-asset strategy based on CIO View singleasset class research



13 Funds with 4&5 Morningstar stars(1)

#### AuM and investment performance



#### Product highlight

Fund name	AuM (€bn)	Morningstar
Deutsche Concept Kaldemorgen	7.3	not rated
Deutsche Multi Opportunities	2.8	***
DWS Stiftungsfonds (ESG compliant)	1.7	***

#### Capabilities



- Multi Asset total return: unconstrained
- Multi Asset income: constrained (i.e. fixed maturity)



- Multi Asset income: unconstrained
- Convertibles: global convertibles



 Multi Asset total return: multi strategy (i.e. low volatility)

#### **Growth initiatives**

- Leverage strength in total return to expand growth in multi strategy offering (i.e. low volatility) and globalize successful European strategies (i.e. Concept K)
- Move to next stage Multi Asset income to expand from constrained (fixed maturity) to unconstrained strategies
- Leverage power of CIO platform for scalable Multi Asset allocation advisory, delivered through digital distribution platforms (eMAPS)

Note: All AuM figures as of Sep 30, 2017; eMaps: efficient Multi Asset Portfolio Solutions

- (1) Morningstar (as of Sep 30, 2017)
- (2) Aggregate asset-weighted gross outperformance of products that have benchmark spreads available over respective periods as of Sep 30, 2017



## Solutions – leveraging the Deutsche AM platform





Insurance /
Pension
Solutions









Overlay (Risk / ESG)



#### Virtual Solutions

Less formalized; may involve some 'tagged' individuals



- Ad hoc and project-oriented
- Addressing specific situations & client's needs
- Lower costs & less resource use



- Bandwidth limitations: complicated staffing
- Lack of centralized direction
- May result in lower level of commitment





Central point of contact coordinating solutions that span product verticals



- Clear mandate on solutions advisory
- Addressing specific situations & client's needs
- Specialist know-how available



- Need to ensure sufficient resources available
- Cooperation across organization highly relevant



#### Solutions Platform

Centralized standalone team with broad capabilities



- Fosters cohesiveness & clear accountability
- Less resources from other areas
- Ownership of know-how and research

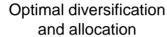


- Significant staffing required
- Challenging to have right mix of capabilities
- Needs increased buy-in & support

#### Solution strategies for client needs that traditional asset classes do not address

Defined contribution products

Balance sheet constraints



Defined targets for risk and return



Alpha through strategic vs tactical allocation

Taylor-made, bespoke solutions

Individual targets and constraints

Actively manage risk exposure

ESG compliance





Insurance /
Pension
Solutions



Asset-Liability Management







Overlay (risk / ESG)

- Accumulation & decumulation strategies
- Liability accounting / glide-path strategies
- Book-yield management

- Risk budgeting & Asset
   Allocation advice
  - Dynamic portfolio allocation
  - Actuarial expertise

- Portfolio optimization methodologies
- Factor analytics & advisory
- Full allocation & selection advisory via highly scalable digital platform
- Bespoke savings & retirement products
- Capital protected & structured products
- Access to non-traditional asset classes
- Risk & yield enhancement overlay
- Downside-protection
- Integrated & dedicated ESG management

Our offering



## Example: efficient Multi Asset Portfolio Solutions (eMAPS)



#### Asset allocation



Alignment to CIO View from multi asset perspective



State-of-the-art portfolio optimization



Risk profiling



Tactical rebalancing



#### Fund research and selection



Independent research & selection process



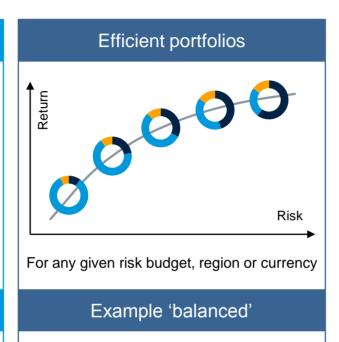
Open architecture approach (DB & 3rd party / active funds & ETFs)



Quantitative and qualitative duediligence



Continuous review process





Instruments	Amount
ETFs	77.6 %
Active funds	22.4 %
therein: third party funds	11.5 %

#### Flexible solution

#### Deutsche AM model portfolio advice



Allocation & selection advisory

#### Deutsche AM online investing digital DPM - 'human robo'



Discretionary Portfolio Management (DPM)

#### Deutsche Strategic Funds one-stop shop fund solution



Mutual fund



## Example: Environmental, Social & Governance



#### What it means(1)



#### Why investing into capabilities?



#### What Deutsche AM delivers



#### Flexible investment solutions for our clients



#### Proprietary ESG Engine

- Automated analysis of multiple ESG facets (~2,000) fully integrated into Portfolio Management via Aladdin
- Available to ~€700bn assets under management in Deutsche AM<sup>(4)</sup>
- (1) United Nations Environment Programme Finance Initiative: Principles for Responsible Investment (PRI) and United Nations Global Compact
- (2) GSIA: growth = CAGR, 2020 projection
- (3) DB Corporate Responsibility Report 2016
- (4) Currently completing new product approval process in the US

## Investment platform positioned for the future



#### Industry trends

#### Macro

Low rates driving demand for yield, and margin pressure

#### Our way forward

- Protect core strengths and deliver on next generation Active, Passive & Alternatives
- Capitalize on highly scalable & automated platform to fully participate in ETF market growth
- Tune-up engines with quant / factors, harness big data & machine learning

#### **Demographics**

 Baby boomers retiring and millennials with different buying behavior

- Offer Multi Asset (eMAPS) through digital distribution channels (WISE)
- Meet demand for efficient, transparent & broad exposure with ETFs
- Enhance decumulation retirement offering (i.e. Multi Asset style)
- Access fast-growing defined contribution market with hybrid RE vehicles

#### Regulatory

Ongoing and increasing regulatory costs with increased requirements on reporting & transparency

- Reduce external research consumption, leverage CIO and research capabilities
- Develop artificial intelligence for cost-efficient alpha generation
- Leverage new advisory models (i.e. fee-based) favoring ETFs
- Right-size and optimize Deutsche AM product offering

Note: eMaps = efficient Multi Asset Portfolio Solutions; WISE = White-Label Investing Software Engine

## Key takeaways



- Truly global integrated investment platform:
  - 60+ years Active track record, 18+ years index replication experience and 45+ years Alternatives heritage
- Investment capabilities positioned for the future:

  Alternatives, Passive, next generation Active and Solutions / Multi Asset capabilities
- Long term proven track record with strong investment performance:

  76% of AuM outperforming 3-year benchmark and 166 funds with 4&5 Morningstar Stars
- Scalable investment platform:

  High level of automation delivering consistent, transparent and repeatable process
- Stable and experienced investment team:

  10 years average tenure of investment professionals

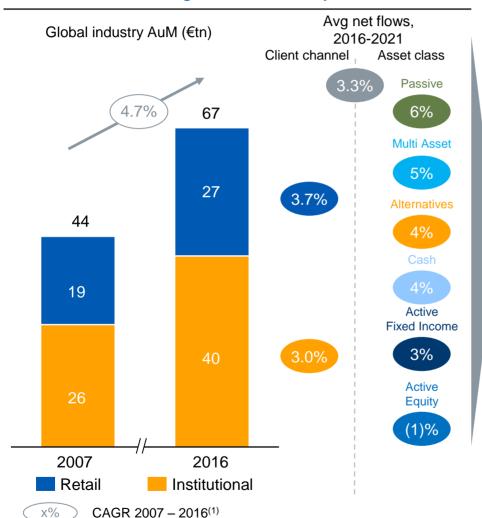
## Contents

	Positioned for the future
	Investment platform and capabilities
	a Investment platform
	b Traditional asset classes: Active & Passive capabilities
	c Alternatives capabilities
	d Multi Asset & Solutions capabilities
3	Distribution
	a EMEA
	b Americas
	c APAC
4	Operating platform
5	Financial performance and targets
6	Summary

## Trends impacting distribution



#### Global asset management industry



#### Key trends

- Changing regulatory landscape
- Institutionalization of retail channel
- Evolving client needs due to demographic shifts
- New technology and digitization (big data, machine learning)
- Fee compression

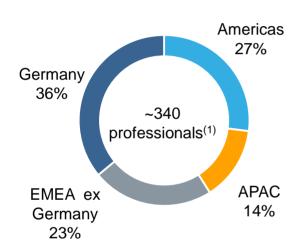
(1) 5.1% CAGR 2007 – 2016 for Retail only, 4.2% for Institutional Source: McKinsey Growth Cube 2017

### Global distribution network overview



#### Global network

Regional view, FTE



#### Global distribution network built on local presence

 Unique vantage point on clients across regions: German origin, strong Americas foothold, promising Asia positioning

#### Balanced client coverage

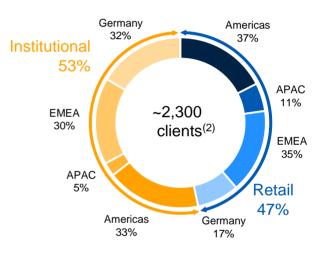
Channel view, FTE



- Strong retail sales force well positioned to nurture opportunities
  - Institutional sales force providing solutions to a broad range of clients across the globe

#### Diversified client base<sup>(2)</sup>

Channel view, number of clients >€1m AuM



- Well balanced retail / institutional mix
- Global footprint, with scaled presence in key markets

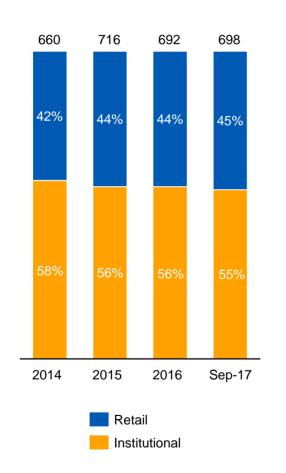
<sup>(1)</sup> All employees aligned to client facing roles within distribution structure (as of Sep 30, 2017)

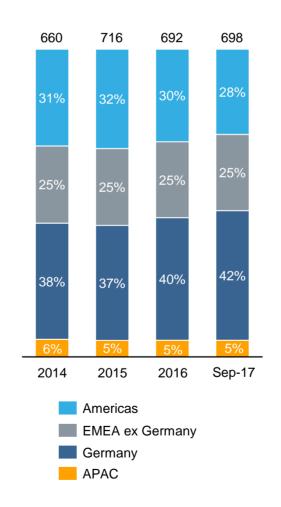
<sup>(2)</sup> Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count

## The business maintains a diversified distribution platform



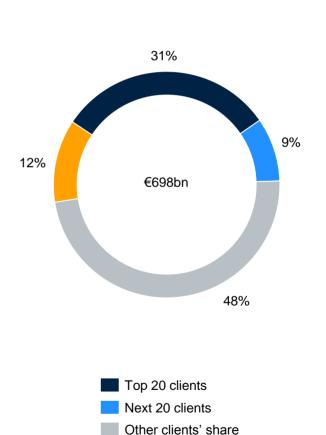
#### Retail / Institutional (AuM in €bn) Regional (AuM in €bn)





#### Client concentration<sup>(1)</sup>

AuM (as of Sep 30, 2017)



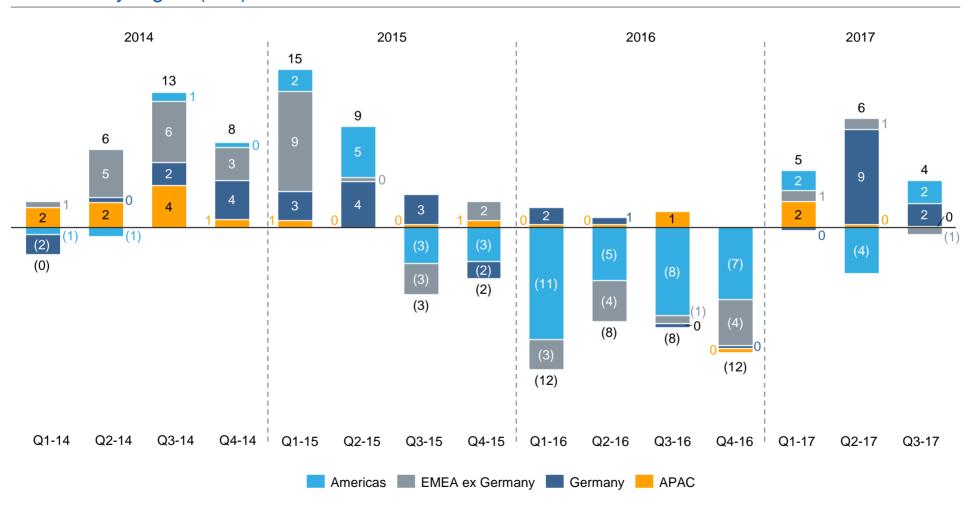
DB distribution share

(1) Retail clients defined as intermediary partners

## Historical net flows have varied by region



#### Net flows by region (€bn)



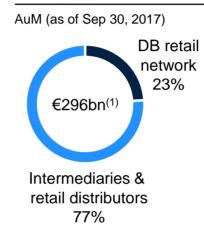
## Strong and diversified retail distribution network



#### Overview

- Deutsche AM is a global asset manager with the majority of the assets sitting with third party clients
- Top 10 retail intermediary partners (including DB network) account for 18% of AuM as of Sep 30, 2017
- 58% of global AuM outside of Germany
- In-house channel accounts for 12% of global AuM

#### Diversified retail intermediary network



Ret	ail intermediaries	AuM (€bn)
1	DB network	69.0
2	German Advisory	15.9
3	Swiss Insurance	9.8
4	German Bank	6.7
5	French Bank	5.9
6	Italian Bank	5.1
7	British Bank	4.0
8	Swiss Bank	3.9
9	German Bank	3.5
10	Japanese Bank	3.5

#### Key distribution partners



- Retail banking network with 2,656 branches in total, thereof 1,776 in Germany<sup>(2)</sup>
- 10-year agreement as preferred provider or primary provider depending on product type





- Leading German financial advisory firm with 14,000 financial advisers and 6m clients has been a key retail distribution partner in Germany since 2002
- Exclusive long term strategic cooperation agreement was recently extended





- Exclusive longstanding and mutually beneficial relationship with a major Swiss insurance firm
- Deutsche AM is managing assets for the client's three core business segments



<sup>(1)</sup> Excludes direct channel

<sup>(2)</sup> Including Postbank (as of Dec 31, 2016)

## A strong brand and marketing approach based on No.1 position in German market



#### #1 in Quality of Marketing

2017 Financial Advisors(1)

DWS / Deutsche AM	89 pts
BlackRock	58 pts
Allianz GI	46 pts
JP Morgan AM	34 pts
Flossbach von Storch	32 pts
Fidelity	29 pts

#### #1 in Brand Awareness

2017 Private Investors(2)

DWS / Deutsche AM	16.9%
Union Investment	16.7%
BlackRock	12.2%
Fidelity	4.2%
Allianz GI	3.5%
Franklin Templeton	3.5%

#### #1 amongst Institutional Investors

2017 Brand Recognition <sup>(3)</sup>		2017 Service Quality <sup>(3)</sup>	
Xtrackers	4.26	Xtrackers	3.46
iShares	4.24	Lyxor ETFs	3.46
Lyxor ETFs	3.99	Amundi ETFs	3.42
Amundi ETFs	3.88	iShares	3.25
Comstage	3.52	Deka ETFs	3.22
Deka ETFs	3.25	Comstage	3.09

Note: 1= unknown; 5= well known 1= very bad; 5= very good

#### **Examples Germany**









Institutional Retail Passive Xtrackers

TV commercial "Evil Zero" with Jürgen Klopp campaign

**Investment Conference** 

#### Distribution partners look for providers that deliver strong performance and branding

- Especially providers that deliver services and provide solutions for **MiFID**
- Around 42% of all German unit linked products use DWS funds as an underlying in Germany<sup>(4)</sup>
- Xtrackers account for ~21% of the ETF saving plan assets executed by the six largest discount brokers<sup>(5)</sup>

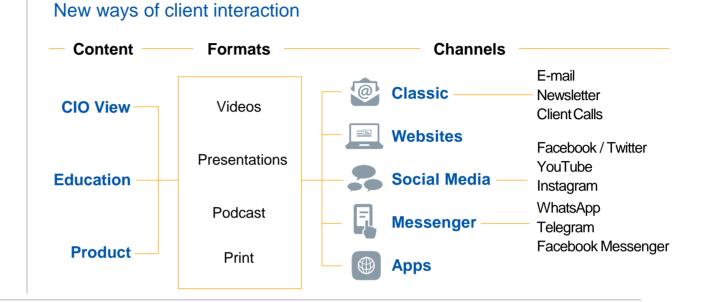
- (1) Number of interviews: 123 financial advisors (conducted in Germany until Jun-17)
- (2) Number of responses: 426 (conducted in Germany until Jan-17)
- (3) PE Institutional Investment, Source: Fund Buyer Focus Survey: "Bedürfnisse Institutioneller Investoren 2017" (p.55), press
- (4) FondsProfessionell (Mar 31, 2017).
- (5) As of Sep 30, 2017

## Successful marketing in the digital age



#### Overview

- Develop content and tell stories
- Create engagement with clients
- Use new and social media
- Employ artificial intelligence



#### Key initiatives

#### State-of-the-art websites



1.2m
monthly page impressions on our websites globally<sup>(1)</sup>

(1) As of Oct 31, 2017(2) As of Nov 30, 2017Source: webtrack

#### Global brand: Deutsche AM CIO View



>6M views of our CIO View videos<sup>(2)</sup>

## Strong footprint in social and new media







followers on Facebook Germany alone<sup>(2)</sup>

#### The next big thing



- Gift card project
- Artificial intelligence to redefine customer engagement
- Virtual / Augmented reality

## Embracing the platform economy – case study



#### Deutsche AM fund platform ('IKS')

- Fund platform with strong IT backbone offering account and custody services
- Serves institutional clients, distribution partner and retail end clients
- Provides a MiFID compliant way for IFAs to interact with end clients

€100bn

1.5m

430

3,300

#1

#5

Distribution Available Plastribution Gunds G

Germany<sup>(1)</sup>

Platform in Europe<sup>(1)</sup>

Digitization of front end

Provides custody backend

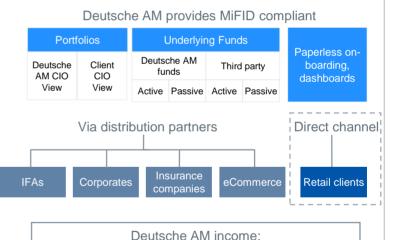
#### Investment application ('EDISON')

- New digital front-end experience with a breadth of functionalities across multiple channels
- Transformation of access and service offered to institutional & private clients, distribution partners & IFAs
- Extended fund offering and investment solutions for professional clients
- Launch for new private client front-end foreseen for Q1-18 (direct / IFA related)



#### White-label Robo platform ('WISE')

- Turn-key, white-label 'robo' technology platform for distribution partners
- Offering discretionary portfolio management to end clients
- CIO-view aligned portfolio solutions
- First distribution partner onboarded: Baloise MONVISO
- Additional agreement signed recently:



portfolio management fees + underlying fund fees

Transformation into a platform business model

Leveraging our technical capabilities to add new distributional channels and client segments

Note: All figures as of Sep 30, 2017. (1) Platforum (Jun 30, 2016)

## Contents

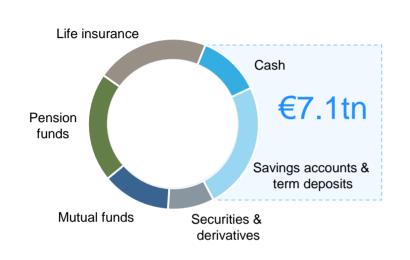
Summary

Positioned for the future Investment platform and capabilities Investment platform Traditional asset classes: Active & Passive capabilities Alternatives capabilities Multi Asset & Solutions capabilities Distribution 3 **EMEA** a Americas APAC Operating platform Financial performance and targets

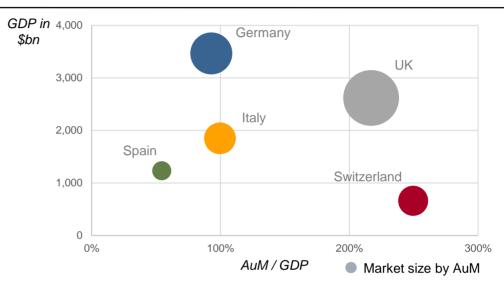
## European AM industry: huge growth opportunities



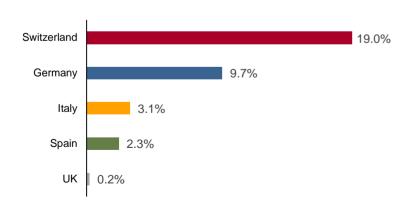
#### Amount of non-invested assets(1)



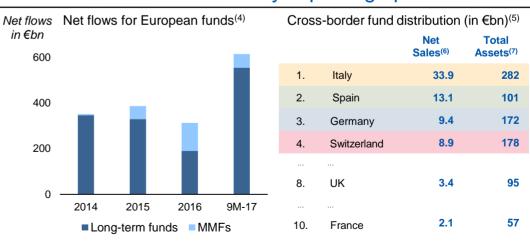
#### The European industry is still small<sup>(2)</sup>



#### ...and high saving rates<sup>(3)</sup> in Europe



#### ...but business within industry is picking up



<sup>(1)</sup> McKinsey assessment (2016). (2) World Bank – GDP (2016); McKinsey Growth Cube 2017 – AuM (2016). (3) OECD - Percentage of household disposable income (2015). (4) Thompson Reuters Lipper; Net flows for European mutual funds and ETFs. (5) Ignites Europe (Nov 27, 2017); Source: Broadridge SalesWatch (6) Net Sales for 8 months ending Aug-17. (7) Assets as of Aug 31, 2017

## **Germany Retail**



#### **Highlights**

The market leader in German retail AM

€162bn

83
Sales professionals(1)

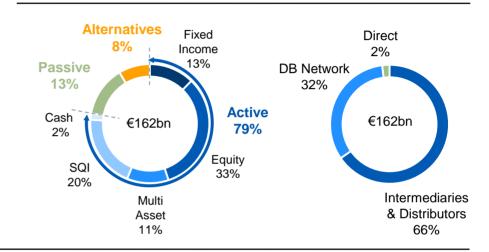
187
Number of clients(2)

#1 in unit linked products with 42% market share<sup>(3)</sup>

in German MF market by net flows YTD17<sup>(4)</sup> #1

Retail AM Germany with 26.4% market share<sup>(4)</sup>

#### AuM



#### Growth opportunities

IFA / Private Banks<sup>(5)</sup>

- Targeted marketing campaigns to tap €2tn of non-invested assets<sup>(6)</sup> amongst German population
- Capture ETF growth in DPM and further expand in advisory channels
- Provide investment solutions, e.g. Riester and old age provisioning

Regulatory

- Shift to open architecture: become the provider of choice by leveraging broad product offering to savings & local cooperative banks
- Providing distribution partners with the full product range, e.g. ETF portfolios and MiFID-compliant services

Technology

- Investment into digital offering, especially websites and social media, to address changing investor buying behavior
- Great potential of collaborations in Germany within the next 5 years for our robo advisory platform technology
- Chat bots for client interaction. Virtual reality goggles for real estate experience. Quantum (internal sales technology) to better direct coverage focus

Note: All AuM, FTE and client figures as of Sep 30, 2017

(1) Employees aligned to client facing roles within distribution structure. (2) Clients with >€1m AuM; retail clients defined as intermediary partners; some ETF clients excluded from count. (3) FondsProfessionell (Mar 31, 2017). (4) BVI analysis (Aug 31, 2017). (5) For EMEA: Multi-national Distributors. (6) McKinsey assessment (2016)

## EMEA (ex Germany) Retail



#### **Highlights**

A market leader in EMEA (ex Germany) retail AM

€86bn

41
Sales professionals(1)

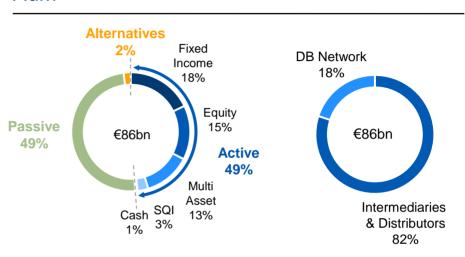
8 Countries

#4
Retail AM EMEA<sup>(2)</sup>

#2
ETF / ETP Europe<sup>(3)</sup>

373
Number of clients<sup>(4)</sup>

#### **AuM**



#### Growth opportunities

Focus Countries

- IT: Grow market share via partnership with AM / PB / IFAs, enlarge passive market share and increase headcount & marketing budget
- ES: Increased service to Platinum / Gold clients, additional distribution agreements with IFAs & banks and expand passive market share
  - CH: Establish global account managers for selected PB accounts, capture ETF growth in DPM and further expand in advisory channels

Focus Clients

- Overall: Benefit from €5.1tn deposits opportunity in EMEA (ex Germany)<sup>(5)</sup> and establish ESG as a retail theme
- Third party banks: Shift to open architecture become the provider of choice by leveraging broad product offering
- Insurance companies: Become the provider of choice for unit-linked business and old age provisioning solutions

Technology

- Great potential of collaborations in Europe (ex Germany) within the next 5 years for our robo advisory platform technology
- Investment into digital offering, especially websites and social media, to address changing investor buying behavior
- Chat bots for client interaction; virtual reality goggles for real estate experience; Quantum (internal sales technology) to better direct coverage focus

Note: All AuM, FTE and client figures as of Sep 30, 2017

(1) Employees aligned to client facing roles within distribution structure. (2) Broadridge (Sep 30, 2017) by AuM, EMEA including International (i.e. cross-border) data. (3) ETFGI (Oct 31, 2017) by AuM. (4) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count. (5) McKinsey assessment (2016)

### **EMEA Institutional**



#### **Highlights**

A tier 1 solutions provider in EMEA institutional AM

**€219bn** 

78
Sales professionals<sup>(1)</sup>

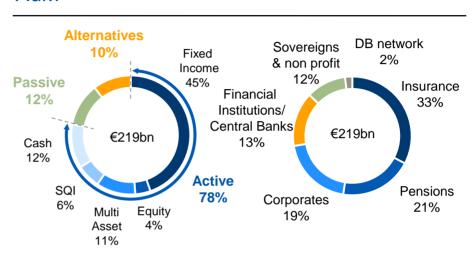
11 Countries

#4 Institutional AM Germany<sup>(2)</sup> #8
Institutional AM
Europe<sup>(3)</sup>

760

Number of clients(4)

#### AuM



#### Growth opportunities

Insurance

- Leverage #2 global ranking to cross-sell passive, alternatives and new active products and solutions to 190+ insurance clients globally
- Establish strategic partnerships for unit-linked business and further outsource general account mandates
- Implement solutions-based coverage to address regulatory changes and offer robo platform for iLifeCycle solutions

Pensions

- Target opportunities in Germany and core EMEA markets due to switch from DB to DC plans, e.g. by digital solutions via robo platform
- Capture new allocation flows in higher yielding, e.g. private debt opportunities and passive fixed income
- Offer solutions via ESG products, ESG Engine and risk factor overlays

Corporates

- Provide tier 1 liquidity solutions to corporates<sup>(5)</sup>
- Capture opportunities due to changes in regulatory requirements to further extend leadership in Germany<sup>(6)</sup> in corporate pension schemes

Central Banks

- Offering solutions for large FX reserves beyond classical fixed income: mandates in passive instruments and alternatives
- Leverage thought leadership and knowledge transfer to build strategic partnerships

Note: All AuM, FTE and client figures as of Sep 30, 2017

(1) Employees aligned to client facing roles within distribution structure. (2) BVI analysis, as of Aug-17. (3) IPE, as of FY-16. (4) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count. (5) Liquidity services provided to 52 out of the Fortune 100 companies. (6) Pension fund assets managed for 22 companies out of the DAX30

### EMEA selected case studies

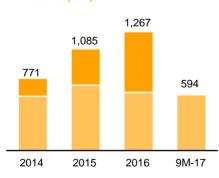


#### **Retail Cases**

#### German financial advisory firm

- Well-established partnership with a leading German financial advisory firm
- €16bn AuM in Germany, representing 19% of third-party retail assets, of which €2.8bn in wealth mandates
- Additional opportunities through robo advisory offering

## Deutsche AM net flows for Germany & Austria $(\in m)^{(1)}$



#### Southern Europe

#### Italy

- With €21.6bn AuM ranked #8 amongst foreign asset managers<sup>(2)</sup>
- Ranked #6 amongst foreign asset managers by net flows<sup>(2)</sup>

#### **Spain**

- With €12.7bn AuM ranked #3 amongst foreign asset managers<sup>(3)</sup>
- Ranked #1 amongst foreign asset managers by net flows in 6M-17<sup>(3)</sup>

Market AuM development for Spain & Italy (€bn)<sup>(4)</sup>



#### **Institutional Cases**

#### IST Global Real Estate Fund

- Deutsche AM and IST provide Swiss pension funds access to a true global real estate investment solution
- Adopting an investment foundation structure to cater for the strategic needs
- Successful launch with AuM \$124m seeded by twelve different pension funds
- Investment into three regional RREEF funds (seeding the latter two)



#### German insurance company

- Client faced a complex challenge:
  - Enhancing the duration of the overall portfolio to minimize gap between assets and liabilities
  - Meeting Solvency II capital requirements
  - Offering an attractive return on invested capital
- Deutsche AM solution offered to address the challenge:

Physical duration overlay

Synthetic duration overlay

Forward duration overlay



Short duration credit portfolio

Solid basis for Well positioned in continuous net flows fast growing markets

Combining investment and local expertise

Leveraging solution capabilities for cross-selling opportunities

(1) Light bars represent net flows in Q1-Q3; dark bars represent net flows in Q4 only. (2) Assogestioni (Sep 30, 2017). (3) Inverco (Sep 30, 2017). (4) McKinsey Growth Cube 2017

### Contents

- Positioned for the future
- 2 Investment platform and capabilities
  - a Investment platform
  - b Traditional asset classes: Active & Passive capabilities
  - c Alternatives capabilities
  - d Multi Asset & Solutions capabilities
- 3 Distribution
  - a EMEA
  - b Americas
  - c APAC
- 4 Operating platform
- 5 Financial performance and targets
- 6 Summary

## Americas distribution snapshot

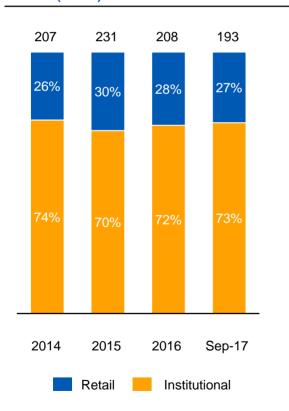


#4
European Asset
Manager in US<sup>(1)</sup>

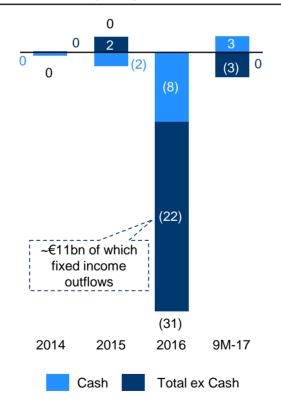
~800

Retail and Institutional clients

#### AuM (€bn)



#### Net flows (€bn)



#### Americas opportunity

- Industry and organizational challenges have hindered growth
- 2016 refocus and momentum shift in 2017
- Positioned to deliver value:
  - Scalable infrastructure enabling efficient growth
  - "Multi-Specialist"
     channel segmentation
     enabling breadth and
     depth of client
     relationships
  - Focused set of products and services leveraging US and Global capabilities

<sup>(1)</sup> Based on P&I, IPE and company websites

### **Americas Retail**



#### **Highlights**

A multi-specialist provider in Americas retail AM

€52bn

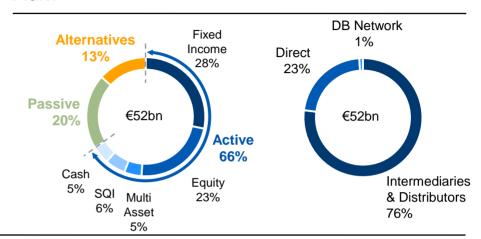
#5
Liquid Real Assets
Americas<sup>(2)</sup>

67
Sales professionals(1)

#14 ETF / ETP Americas<sup>(3)</sup> 4 Offices

Number of clients(4)

#### AuM



#### **Growth opportunities**

Wealth Advisors

- Emphasize clients in the channel that operate on an 'advisor as portfolio manager' basis
- Capture opportunity in real assets and non-U.S. equity strategies as Wealth Advisors increase allocations
- Focus on Private Banks with expanded distribution of ETFs and alternatives as they shift away from proprietary strategies

Registered Investment Advisors

- RIA channel will increase market share rapidly
- Presents largest opportunity in ETFs and alternatives, aligns with core investment strengths

Professional Buyers

- In light of DoL regulations, focus on opportunity within discretionary models, sub-advisory, consultants and fiduciary service providers
- Expanding resources to focus on clients that outsource investment decisions

Mass Affluent Advisors

- Align cost to serve in mass affluent advisory continuing to deliver on client needs
- Coverage model leverages scalable solutions and technology

Note: All AuM, FTE and client figures as of Sep 30, 2017

- (1) Employees aligned to client facing roles within distribution structure
- (2) Morningstar Direct as of H1-17 (LRA includes Commodity Broad Basket, Precious Metals, Global RE, US RE, Industrials, Infrastructure, Natural Resources categories)
- (3) ETFGI (Oct 31, 2017)
- (4) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count

### **Americas Institutional**



#### **Highlights**

An established solutions provider in Americas institutional AM



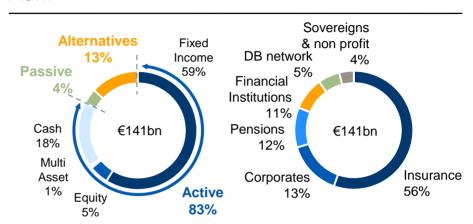
26
Sales professionals<sup>(2)</sup>

8 Offices



#14 Real Estate Americas<sup>(4)</sup> 399
Number of clients<sup>(5)</sup>

#### **AuM**



#### **Growth opportunities**



Substantial number of established insurance relationships underpinned by strong solutions and servicing capabilities; winner of 2016 Reactions' Insurance Asset Manager of the year in the Americas

Expand product offering beyond fixed income to improve margin mix

Pensions

Consistent, long term relationships with major US Public and Corporate Pensions

Relationship expansion into additional alternative and passive capabilities

Grow consultants and institutional Direct Contribution plan coverage

Corporates

Recapture cash flows via established client base following money market funds reform

Extend cash relationships into additional asset classes

Note: All AuM, FTE and client figures as of Sep 30, 2017

- (1) 9M-17 net flows for Americas Institutional €4bn
- (2) Employees aligned to client facing roles within distribution structure
- (3) Investment Outsourcing Report 2017, North America domiciled non-affiliated general account insurance assets
- (4) INREV / ANREV Real Estate Fund Manager Survey (Dec 31, 2016)
- (5) Clients with >€1m AuM; 62 Americas Insurance sector clients; 156 Americas Pensions sector clients

### Americas selected case studies



#### **Retail Case 1**

# Wealth advisor (Private bank)

Customized approach delivers mandates through various wrappers spanning active, alternatives and passive

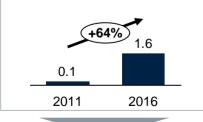
Grown from single strategy client to utilizing multiple asset

Deutsche AM created custom factors 40 Act product, €233m+ flows

Subadvisory relationship established in proprietary real asset fund

Expanded relationship to include HNW and OCIO<sup>(1)</sup> businesses

Deutsche AM AuM. €bn



#### Market share

#### Retail Case 2

# Wealth advisor (Broker dealer)

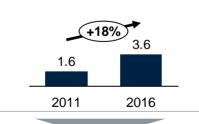
Became an emerging partner in 2013 followed by global partner in 2014

Over the course of 4 years, recommended products has expanded from 2 funds to 6 funds and 3 ETFs, with ETFs driving the growth in AuM

Currently under consideration for platform approval (high margin products): semi-liquid real estate and European high yield

Relationship spans across Active, Passive and Alternatives

Deutsche AM AuM, €bn



#### Client segmentation

#### Institutional Case 1

# Mutual insurance company

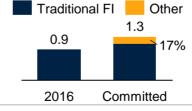
Client since 1985 decided to consolidate fixed income with Deutsche AM

As of 2016 YE, the client had €882m of fixed income only AuM. Multi-disciplinary mandate phases in over 24 months

Spans across Core Fixed Income, US High Yield, RREEF America II, and Tax Advantaged Dividend Equity

Majority of assets come from a direct competitor

#### Deutsche AM AuM allocation<sup>(2)</sup>



#### Cross-sell

#### **Institutional Case 2**

# Municipal pension provider

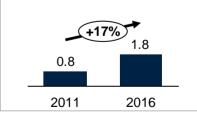
Partner with Deutsche AM since 1991

Deep relationship across real estate spectrum

Agreed to partner on launch of new Core Plus Industrial Fund

Top pension client by assets with €1.8bn AuM

Deutsche AM AuM. €bn



Quality of flows

<sup>(1)</sup> OCIO: Outsourced Chief Investment Officer

<sup>(2)</sup> Committed includes assets not yet funded; "Other" includes High Yield, Equity, and Alternatives strategies

### Contents

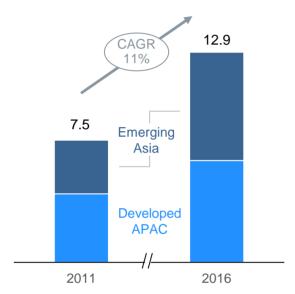
Positioned for the future Investment platform and capabilities Investment platform Traditional asset classes: Active & Passive capabilities Alternatives capabilities Multi Asset & Solutions capabilities Distribution **EMEA** Americas **APAC** Operating platform Financial performance and targets Summary

## APAC distribution snapshot



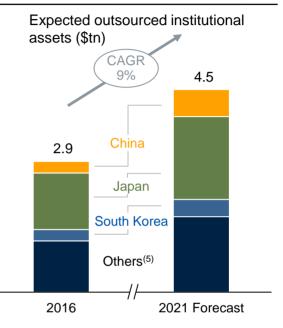
#### APAC AM industry(1)

APAC industry AuM (\$tn)



#### Significant growth opportunities

- Large majority of billionaires in Asia is first generation and ~120 people will hand over \$400bn to their heirs<sup>(2)</sup>
- Highly concentrated market with ~20% of institutional clients holding ~75% of assets<sup>(3)</sup>
- Yet \$4.5tn of institutional assets are expected to be outsourced by 2021<sup>(4)</sup>



#### Deutsche AM footprint & strength

- Targeted approach utilizing 45 sales professionals as well as intermediary partners to penetrate key segments
- Diverse client base of 180 clients
- Comprehensive suite of products and solutions across asset classes and styles, including the ability to export European and US blockbuster active funds
- Collaboration with Harvest on multiple levels

45

Sales professionals(6)

180

Clients(7)

€38br

AuM<sup>(8</sup>

(1) McKinsey Growth Cube 2017 (2) PwC / UBS Billionaires Report 2017 (3) Greenwich Associates (Jul-17) (4) Spence Johnson, Deeper Perspectives (Oct-17) (5) Australia, Hong Kong, Taiwan, Singapore, Malaysia, Thailand and Indonesia (6) Employees aligned to client facing roles within distribution structure (7) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count (8) Harvest AuM (€113bn, as of Sep 30, 2017) is not included in the reported AuM of Deutsche AM

### **APAC** Retail



#### **Highlights**

Targeted approach utilizing intermediary partners to penetrate key segments

€11bn

34
Sales professionals(1)

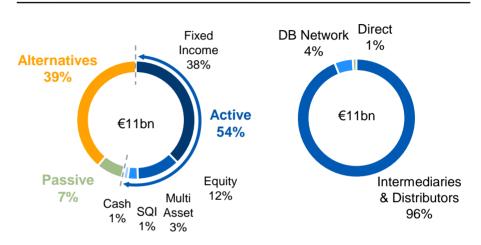
4 Countries

#1
China benchmark A-share
ETFs listed in US & Europe<sup>(2)</sup>

ETF issuer on Singapore Exchange<sup>(3)</sup>

122
Number of clients<sup>(4)</sup>

#### **AuM**



#### Growth opportunities

Private Banks Establish global account managers for selected PB accounts, capture ETF growth in DPM and further expand advisory channels

Large majority of billionaires in Asia are first generation and ~120 people will hand over \$400bn to their heirs(5)

Capture flow opportunities via solutions for passive and real assets (private debt, real estate, PE)

Asset Managers Export blockbuster European and US active funds to Asia as underlying for master feeder structures (Japan, Thailand, Malaysia)

Start joint ventures with larger regional asset managers and support them by providing marketing and sales expertise

Offer solutions via overlays in portfolio hedging, factor investing and ESG

Technology & Regulation

Help asset managers to prepare for changing regulatory environment, i.e. via learnings of the MiFID implementations in Europe

Provide ETF platform as white label solution or as underlying for master feeder structures

Provide our digital offering, especially the robo advisory and social media, to address changing investor buying behavior

Note: All AuM, FTE and client figures as of Sep 30, 2017

(1) Employees aligned to client facing roles within distribution structure. (2) Morningstar (Oct 31, 2017). (3) By total number of listings (Nov 30, 2017). (4) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count. (5) PwC / UBS Billionaires Report 2017

Deutsche Bank

### **APAC Institutional**



#### **Highlights**

Provider of a comprehensive suite of solutions to serve a diverse client base

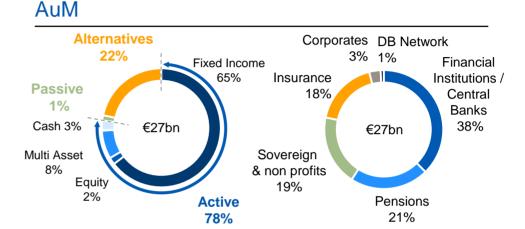
€27bn

11 Sales professionals<sup>(1)</sup> 6 Countries

#9
Foreign firm in China<sup>(2)</sup>

#1
CIO of the Year in Asia<sup>(3)</sup>

61
Number of clients(4)



#### Growth opportunities

Insurance

Leverage #2 global ranking to cross-sell passive, alternatives & new active products and solutions

Introduce solvency capital efficient multi asset solutions

Establish strategic partnerships for unit-linked business and further outsource global accounts mandates

Pensions

Target largest pension funds in China, Korea, Japan, Taiwan and SEA via our ESG Engine and factor overlays

Provide liability matching investment strategies to optimize the relationship between assets and liabilities of pension schemes

Offer solutions advisory to enhance the risk and return profile of existing portfolios

Central Banks / SWFs

Offer solutions for large FX reserves beyond classical fixed income, i.e. mandates in passive instruments and alternatives

Leverage thought leadership and knowledge transfer to build strategic partnerships

Corporates

Provide tier 1 liquidity solutions for corporates

Capture opportunities in corporate pension schemes due to changes in regulatory requirements and the shift to DC

Note: All AuM, FTE and client figures as of Sep 30, 2017

(1) Employees aligned to client facing roles within distribution structure. (2) Z-Ben Advisors China Rankings score by onshore, offshore and inbound businesses. (3) Asia Asset Management (AAM), 2017. (4) Clients with >€1m AuM; Retail clients defined as intermediary partners; some ETF clients excluded from count

Deutsche Bank

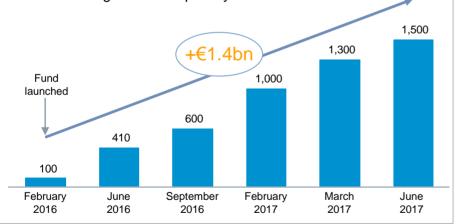
### APAC selected case studies



#### **Retail Case**

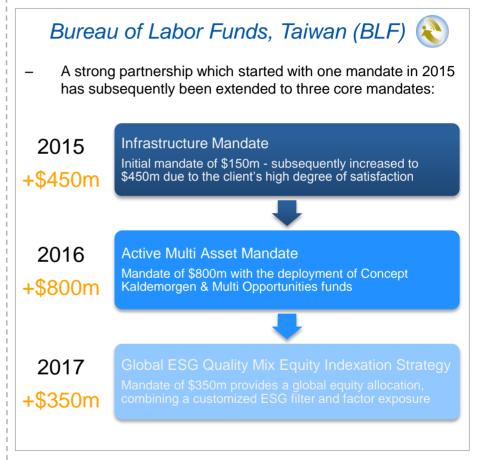
#### Large Thai asset manager

- A landmark €1bn AuM was reached after just one year of strategic partnership
- Multi Opportunities fund serves as underlying for master feeder structure
- Fund has significantly outperformed its customized benchmark since launched in February 2016
- Continuous inflows amid intense competition demonstrate our strong solution capability



Strategic partnership with continuous growth by exporting a European blockbuster fund

#### Institutional Case



Extending an initial mandate into a broad partnership

### Harvest Fund Management



#### Harvest background

- Jointly owned by Deutsche AM (30%), China Credit Trust and Lixin
- Capabilities across Active, Passive and Alternatives asset management, with a focus on Chinese assets
- Extensive onshore retail distribution network including electronic / mobile platforms
- Deep onshore institutional client relationships
- Strong asset gathering: AuM at €113bn<sup>(1)</sup>

#### Focus of collaboration

Mutually beneficial collaboration strengthens foundations for both Deutsche AM & Harvest in the long run

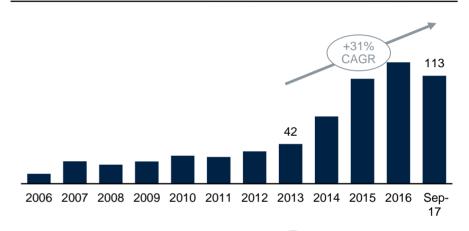
#### Distribution

- Joint institutional client conference
- Client introductions
- Offshore distribution arrangements for selected funds

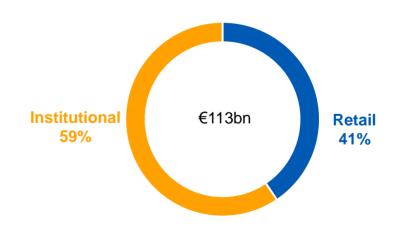
#### Product development

- Sub-advisory arrangements for ETFs products
- Co-branded A-share ETFs listed in US & Europe

#### AuM evolution and breakdown (€bn)(2)







<sup>(1)</sup> Harvest AuM (€113bn, as of Sep 30, 2017) is not included in the reported AuM of Deutsche AM

Deutsche Bank

<sup>(2)</sup> AuM converted at spot rate as of each period end

# Key takeaways



- Very strong retail brand in Europe where 9M-17 net flows were 5% of AuM
- A broad product offering across Active, Passive and Alternatives to serve a well diversified client base
- Truly global business with ~60% of assets outside of Germany and 12% of assets with DB network
- Strong global retail net flows of €6bn in 9M-17
- Prepared for upcoming digital challenge via robo advisory service, fund platform and social media set-up

# Contents

	Positioned for the future					
2 Investment platform and capabilities						
	a Investment platform					
	b Traditional asset classes: Active & Passive capabilities					
	c Alternatives capabilities					
	d Multi Asset & Solutions capabilities					
	Distribution					
	a EMEA					
	b Americas					
	c APAC					
4	Operating platform					
5	Financial performance and targets					
6	Summary					

# Key messages



- We have already built a robust and scalable operating platform ...
- ... but we have further room to optimize and increase efficiency
- With scale and a track record of execution, we are able to navigate significant disruption to our industry
- Our platform is an integral part of our business proposition with investment in technology to drive a competitive advantage

# We have already built a robust and scalable operating platform...



#### Global investment platform

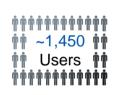
#### Global customer management

#### Global trading: top tier model

### aladdin

 Global investment and risk management

€648bn





20% Investment apps decommissioned<sup>(1)</sup> 130,000 Average monthly orders



- Globally standardized CRM platform for all institutional clients
- Allows timely adherence to regulations including MiFID II and KYC
- Built in-house development capability for additional functionality



500,000 Client interactions logged<sup>(1)</sup>



1,500+
Global users



- Centralized trading activity out of portfolio management teams
- Consolidated activity in 3 regional hubs providing global access to liquidity
- Increased scalability and regulatory compliance, e.g. best execution
- Example: Central equities trading<sup>(2)</sup>



40% Reduced headcount



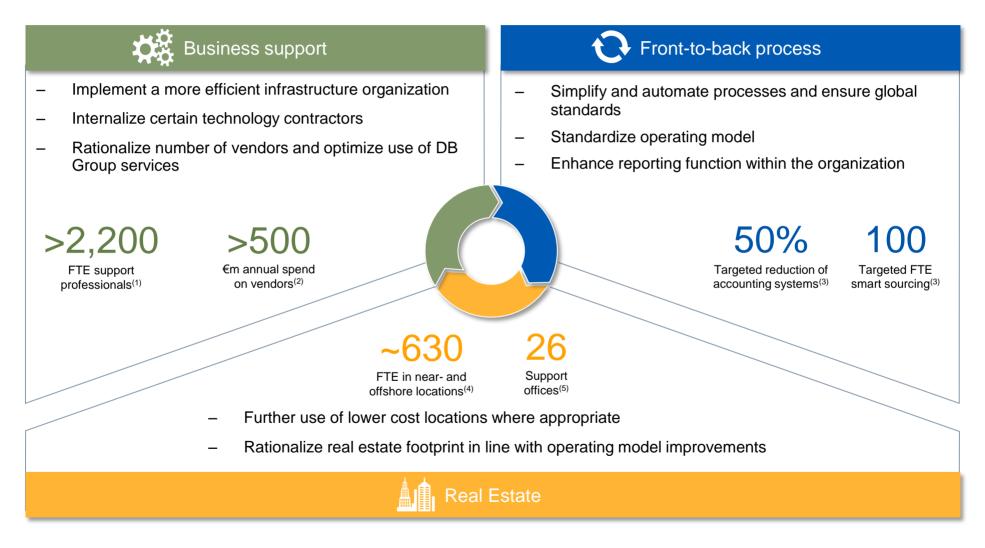
6x Volume increase

<sup>(1)</sup> Since Jan 1, 2015

<sup>(2)</sup> Headcount and increase in Equities trading volume via centralized dealing desk between Jan 1, 2012 and Sep 30, 2017. Volume expressed in number of security settlements; volume increase reflective of (i) centralization efforts and (ii) internalization of ETF volumes previously traded by sub-investment managers

# ...but we have further room to optimize and increase efficiency



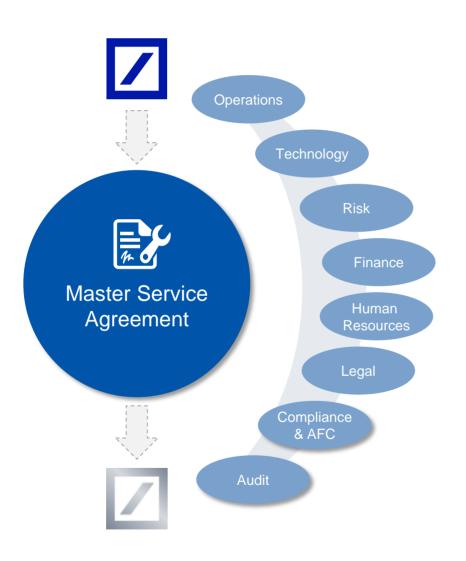


(1) Employees whose role is not portfolio management, research or client-facing (Sep 30, 2017). (2) In 2016. (3) Targeted by 2020. (4) Bangalore, Berlin, Birmingham, Jacksonville, Jaipur, Manila, Mumbai and Pune (Sep 30, 2017). (5) Cities where more than 5 FTE support professionals are located

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# Relationship with DB Group





#### Service examples

- Transaction processing
- Data center
- Cyber and information security
- Accounting and reporting
- Payroll services
- Litigation
- Position reporting
- Investigation services

Deutsche Bank

# With scale and a track record of execution, we are well placed to navigate significant change to our industry



#### Challenges

#### Our differentiating factors

Increased regulatory scrutiny

- ✓ Dedicated regulatory expertise within Deutsche AM supplemented by Group resources
- Track record of regulatory implementation (e.g. MiFID II, EMIR, Common Reporting Standards)

~230
Legal, Risk and
Compliance FTE

Focus on data protection issues

- √ Focus on cyber security fully leveraging DB Group standard
- Application of strict vendor governance processes to safeguard Deutsche AM's data and intellectual assets

ISO 27001

Information security standard<sup>(1)</sup>

Cross-border issues

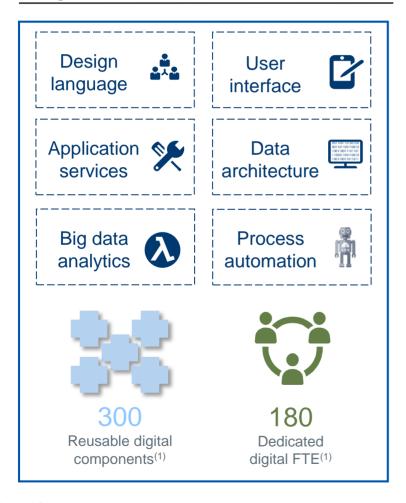
- ✓ Anticipate limited impact from Brexit
- Strong regional manufacturing capabilities means we can serve local clients with local products if required

Countries with investment management capabilities

# Our investment in technology positions us well for the future



#### Digital framework



#### **Applications**













# Key takeaways



- We have already built a robust and scalable operating platform ...
- ... but we have further room to optimize and increase efficiency
- With scale and a track record of execution, we are able to navigate significant disruption to our industry
- Our platform is an integral part of our business proposition with investment in technology to drive a competitive advantage

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## Key messages



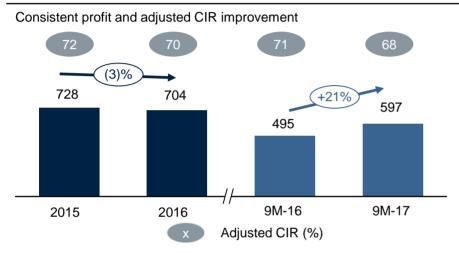
- Steady net flows, except 2016, and well positioned to capture stronger net flows in the future
- Diversified asset base with higher margin products positioned for growth, providing resilience to margin compression and supporting revenue growth and profitability
- Disciplined costs with room for further efficiencies with a target adjusted CIR of <65%
- A solid capital position and targeted dividend payout ratio of 65% to 75%

## Financial performance snapshot

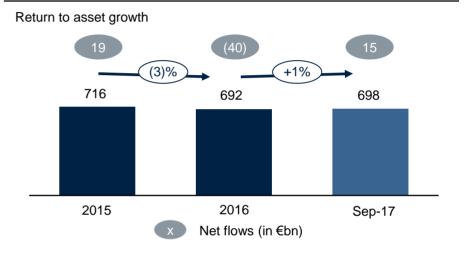


x% y-o-y change

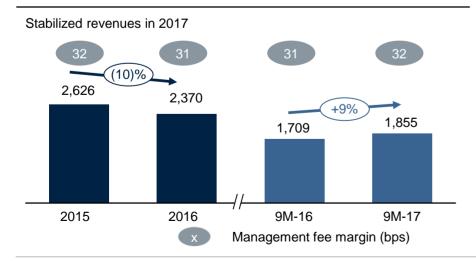
#### Adjusted profit before tax (€m)



#### AuM (€bn)

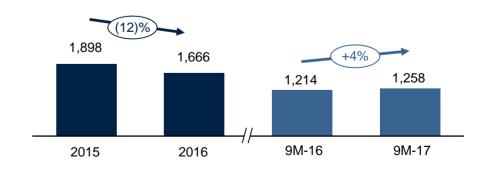


#### Adjusted revenues (€m)



#### Adjusted costs (€m)

Strong cost discipline continues across all functions



# Positioned to deliver shareholder value



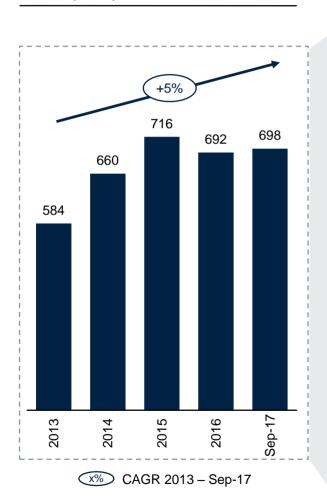
	9M-17	Medium term financial targets	Positioning to deliver targets
Net flows (% of BoP AuM)	2.8% <sup>(1)</sup>	3% to 5%	<ul> <li>Steady net flows of ~3-5% p.a. (ex 2016)</li> <li>Product and distribution strength</li> </ul>
Management fee margin	32bps <sup>(1)</sup>	≥30bps	<ul> <li>Diversified asset base</li> <li>Recent flows concentrated in high margin products grow revenues despite industry margin compression</li> </ul>
Adjusted CIR	68%	<65%	<ul> <li>Adjusted CIR improvement over last 2 years</li> <li>Number of initiatives to improve cost efficiency</li> <li>Scalable platform</li> </ul>
Dividend payout ratio (% of net income)	n.a.	65% to 75%	<ul><li>Highly cash generative business</li><li>Strong balance sheet and capital position</li></ul>
(1) Annualized			

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# Strong net flows except for 2016

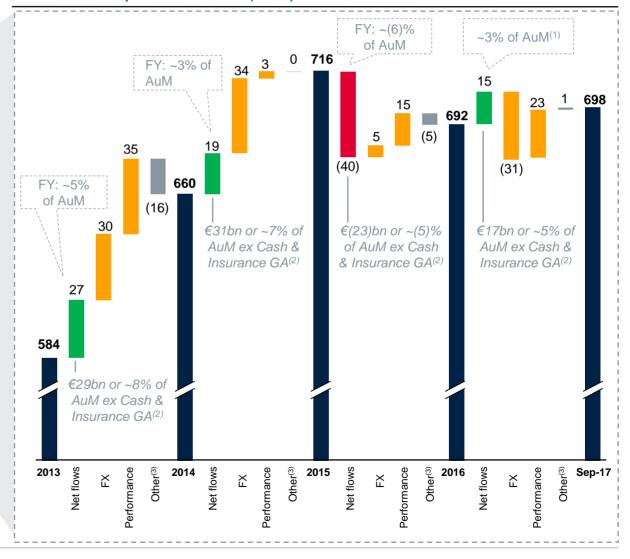


#### AuM (€bn)



- (1) Annualized
- (2) Insurance general account
- (3) Other includes acquisitions / disposals

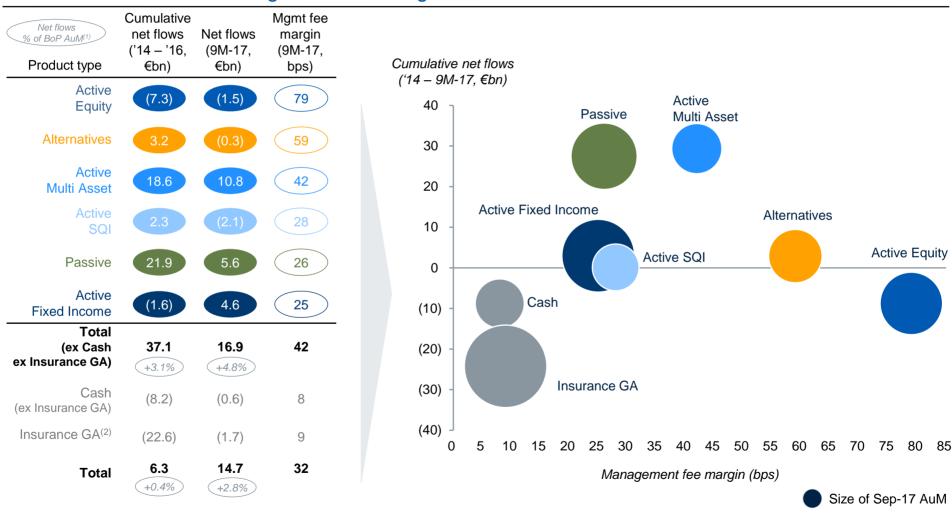
#### AuM development detail (€bn)



# Net flows have been strong in passive, active multi asset and alternatives



#### Historical net flows vs management fee margin



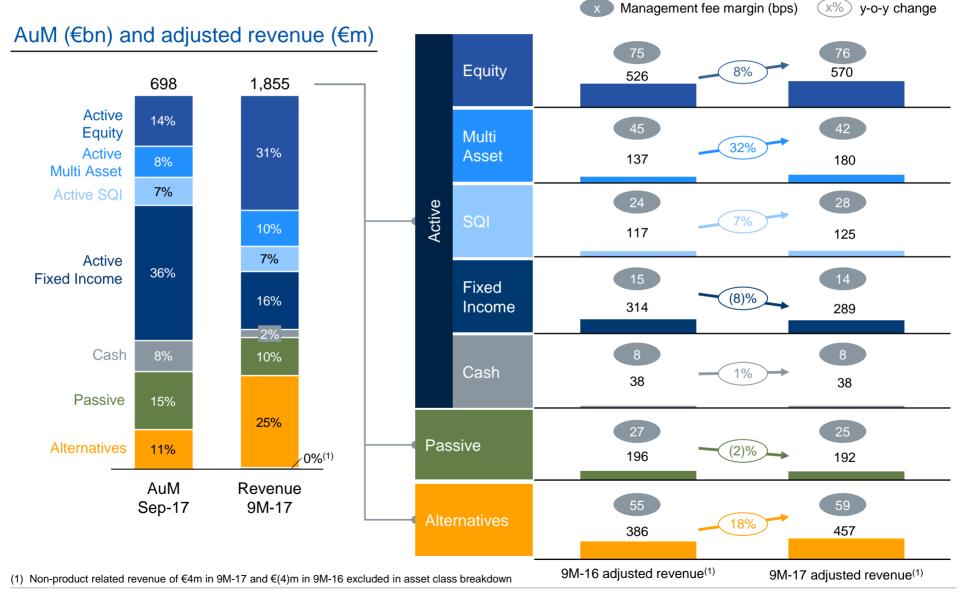
<sup>(1)</sup> Annualized

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<sup>(2)</sup> Insurance general account

# Growing revenues in focus areas and maintaining margins



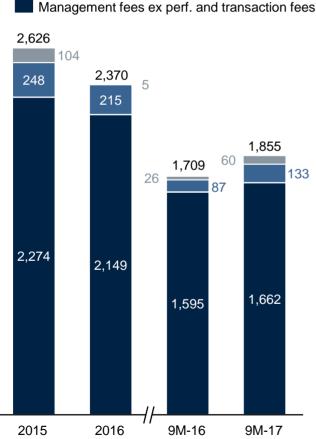


# Limited reliance on one-off fees, leading to a stable revenue base



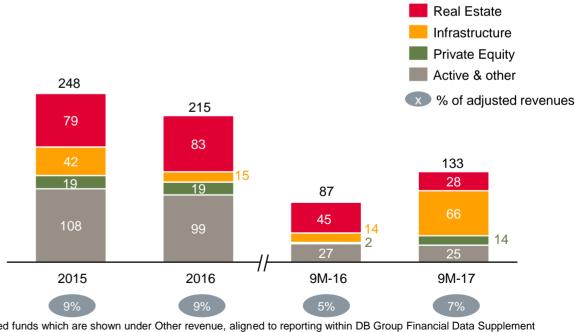
#### Adjusted revenues<sup>(1)</sup> (€m)

# Other revenues Performance and transaction fees Management fees by perform and transaction



#### Performance & transaction fee breakdown (€m)

- Performance and transaction fees represent <10% of annual revenues</li>
  - Real estate and infrastructure funds make up the majority of performance fees
  - Active performance and transaction fees make up the remainder, with Q4 being the most significant recognition period

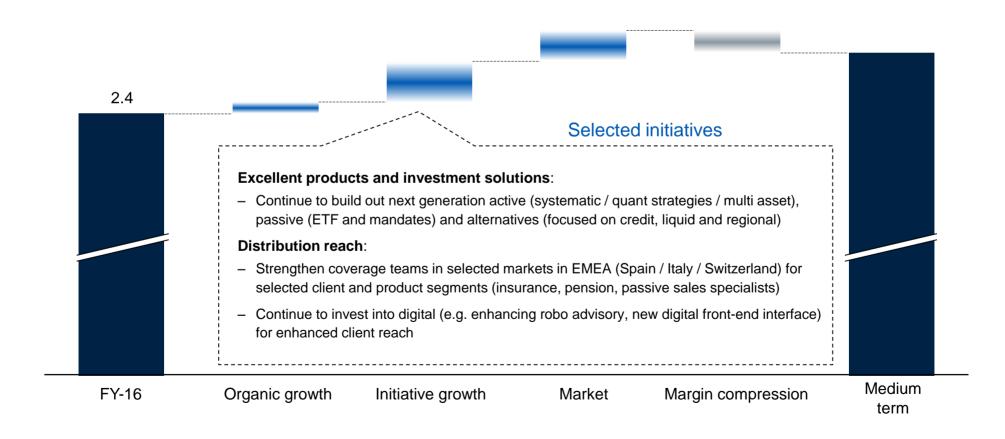


(1) Management / Performance fee revenue excl. fees from consolidated guaranteed funds which are shown under Other revenue, aligned to reporting within DB Group Financial Data Supplement

# Significant revenue upside opportunities



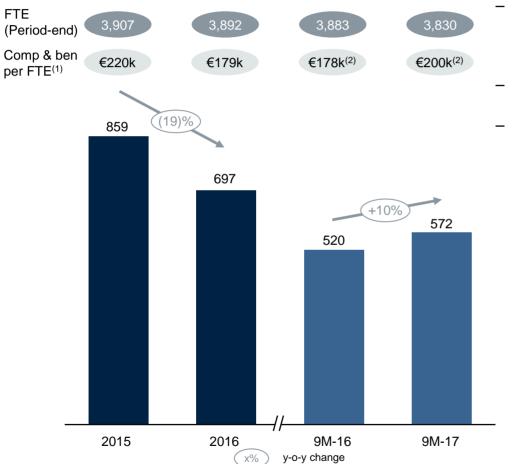
#### Adjusted revenues (€bn)



# Compensation cost control



#### Adjusted compensation & benefits (€m)



- Compensation and benefits cost discipline in 2016 is driven by FTE efficiency measures and the Group-wide compensation measures
- Normalized provision for variable compensation in 2017
- Lower FTE with 2% reduction since 2015

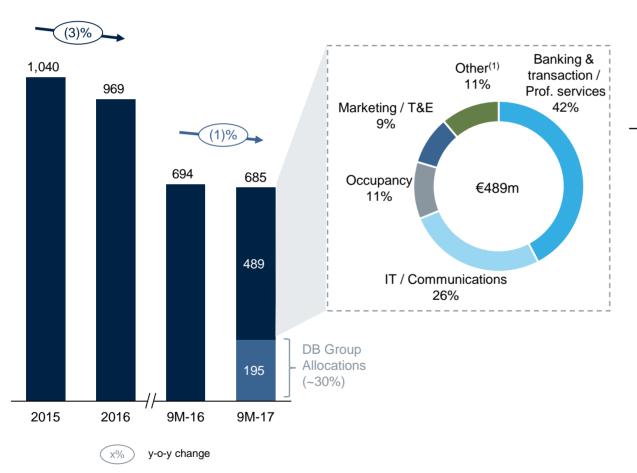
<sup>(1)</sup> Compensation & benefits divided by average annual FTE

<sup>(2)</sup> Annualized

## General expense discipline



#### Adjusted general and administrative expenses (€m)



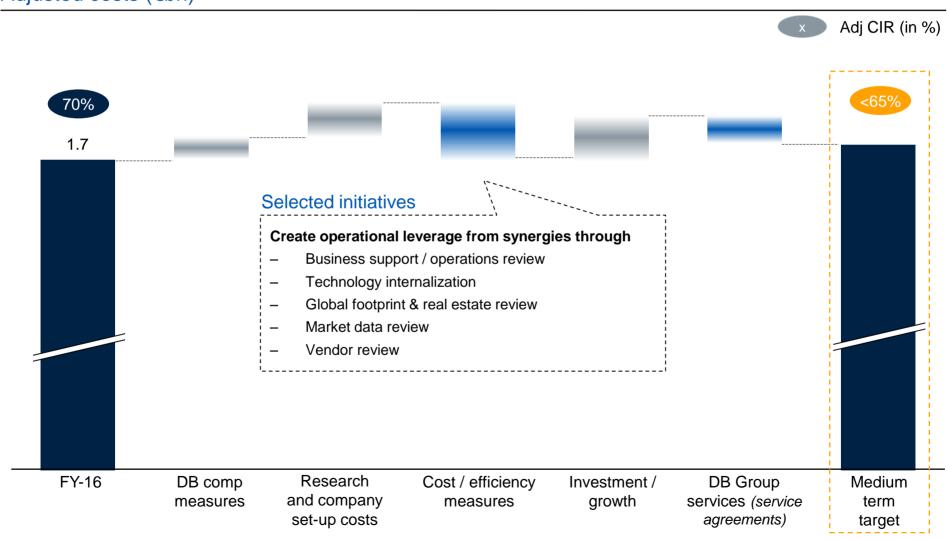
- ~70% of 9M-17 general expenses made up of banking & transaction charges, professional services, IT, communications, occupancy, marketing, T&E, regulatory, tax & insurance and other costs
- ~30% of 9M-17 general expenses relates to DB Group allocations
  - Service agreements have been established with DB Group for services provided

<sup>(1)</sup> Other includes regulatory, tax and other non-compensation costs

# Potential for further efficiency improvements



#### Adjusted costs (€bn)

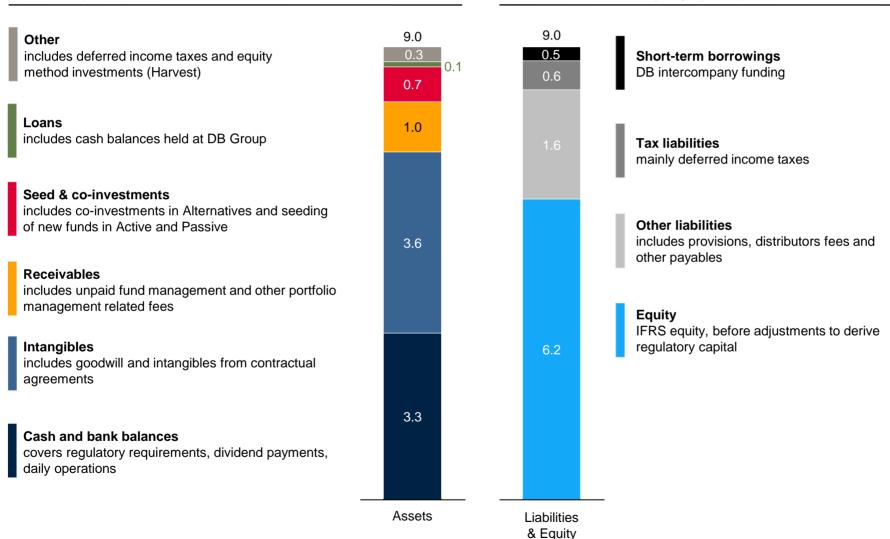


## A simple balance sheet

### Economic view as of September 30, 2017



#### Assets (€bn)



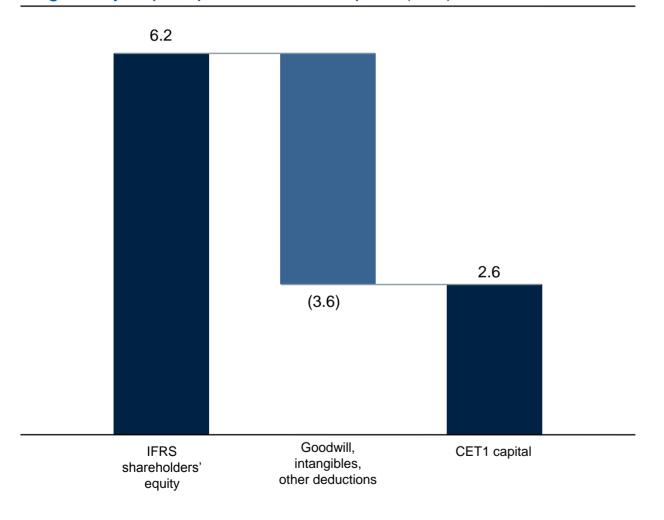
Liabilities and equity (€bn)

Note: See appendix for reconciliation from IFRS reported to economic view

### Prudent regulatory capital position



### Regulatory capital position as of Sep-17 (€bn)

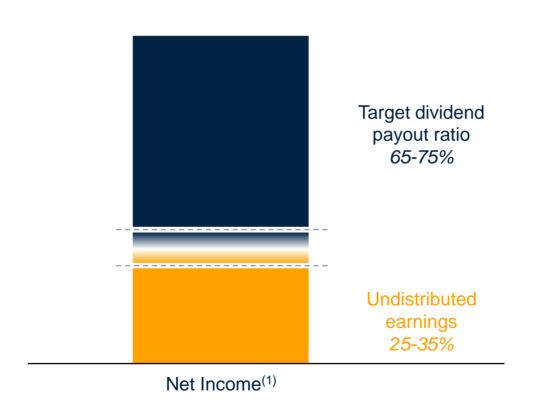


#### **Highlights**

- Deutsche AM will be regulated as a CRR Investment Firm<sup>(1)</sup>
- Level of capital is driven by Pillar 2 (ICAAP) requirements being above Pillar 1 due to wider risk coverage and different methodologies
- Expected to be well capitalized

# Significant distribution potential: 65-75% of net income expected to be paid out as dividend





#### Dividend payout

 Target competitive dividend payout ratio of 65-75%

#### Undistributed earnings

- Organic business growth
- Increase in seed capital investments
- Bolt-on acquisitions

### Key takeaways



- Steady net flows, except 2016, and well positioned to capture stronger net flows in the future
- Diversified asset base with higher margin products positioned for growth, providing resilience to margin compression and supporting revenue growth and profitability
- Disciplined costs with room for further efficiencies with a target adjusted CIR of <65%
- A solid capital position and targeted dividend payout ratio of 65% to 75%

## Contents

	Pos	sitioned for the future
	Inv	estment platform and capabilities
	а	Investment platform
	b	Traditional asset classes: Active & Passive capabilities
	С	Alternatives capabilities
	d	Multi Asset & Solutions capabilities
3	Dis	tribution
	а	EMEA
	b	Americas
	С	APAC
4	Ор	erating platform
5	Fin	ancial performance and targets
6	Sur	mmary

### Deutsche AM: Positioned for the future



- 1 Excellent products and investment solutions designed to meet current and future client needs
  - √ 76% of AuM outperforming 3-year benchmarks and best in class tracking error in passive investing
  - ✓ Diversified asset mix: one of two players with top 20 positions across Active MF, Passive and Real Assets globally<sup>(1)</sup>
- 2 Global and balanced distribution reach across multiple channels to support growth
  - ✓ Diversified client mix: well balanced across Europe, US and Asia and across retail and institutional channels
  - √ Attractive long term distribution agreement with DB
- 3 Scalable operating platform with digital capabilities
  - ✓ Scalable global operating platform with further room to optimize and increase efficiency
  - ✓ Digital capabilities across robo advisory, digital distribution and big data to further drive growth and cost efficiency

Deutsche AM

- 4 Performance culture and experienced management team
  - ✓ Fiduciary culture rooted in excellence, entrepreneurship, integrity and sustainability
  - ✓ Experienced management team fully committed to deliver on our long term growth strategy
- 5 DB plans for Deutsche AM supportive of strategy and delivery of profit growth
  - ✓ DB plans can act as catalyst to support growth through improving operational agility and enhancing external profile
  - Listed shares can act as staff incentive and increase flexibility for future growth opportunities
- 6 Positioned to deliver shareholder value through revenue growth, cost discipline and dividend distribution
  - ✓ Track record of net flows, except 2016, and higher margin products positioned for growth
  - Robust medium term financial targets underpinning strong earnings and dividend growth potential

<sup>(1)</sup> Rankings based on Dec 30, 2016 data: global active MF AuM – Broadridge; global index funds and ETF AuM – Broadridge / ETFGI; global real assets (real estate, natural resources, commodities and infrastructure) – consolidated Towers Watson data

Appendix

## Financial Glossary



Terminology	Definition
Assets under Management (AuM) (DB terminology: Invested Assets (IA))	We define Assets under Management (AuM) as (a) assets we hold on behalf of customers for investment purposes and / or (b) client assets that are managed by us on a discretionary or advisory basis. AuM represents both collective investments (Mutual Funds, Exchange-Traded Funds, etc) and separate client mandates. Unless otherwise stated, AuM figures presented are expressed on a period-end basis, i.e. 31 December 2016 for FY-16 reported AuM.  Annual average AuM are generally calculated using AuM at the beginning and end of each calendar month (i.e. 13 reference points).
Net Flows (DB terminology: Net New Flows)	Net Flows represent assets acquired from or withdrawn by clients within a specified period. It is one of the major drivers of changes in AuM. Gross inflows and outflows include movement of client funds between products as they are calculated at a product level.
Management Fee Margin	Management Fee Margin is calculated by taking the (annualized) sum of management fees and other recurring revenues for a period divided by average AuM for the same period. Annual average AuM are generally calculated using AuM at the beginning of the year and the end of each calendar month (e.g. 13 reference points).
	Adjusted Revenues present revenues excluding non-recurring items, such as disposal gains, revenue from insurance payments and other significant / material non-recurring income. We use this metric to show revenues on a continuing operations basis in order to enhance comparability against other periods.
Adjusted Revenues	Revenue adjustment items refer to:  - Mark-to-market valuation impacts from the exposure of one of our guaranteed funds to HETA Asset Resolution AG ("HETA") in Austria  - Position was exited in 2016 with gain on sale of €58m. Financial impact in 2015 of €(86)m from a write-down  - Proceeds from the sale of the PowerShares fund in 2015  - Insurance payments received from a legal matter related to the EVAF fund (part of the former Non-Core Operations Unit) in 2017
Adjusted Costs	<ul> <li>Adjusted Costs is an expense measure we use to better distinguish between total costs (<i>DB terminology: noninterest expenses</i>) and our ongoing operating costs. In the DB Group definition costs are adjusted for</li> <li>Litigation (includes provision for settlement of a legal matter related to the EVAF fund (part of former Non-Core Operations Unit) in 2016), excluded from adjusted general &amp; administrative expenses</li> <li>Restructuring (mainly in 2016)</li> <li>Severance costs (mainly in 2016), excluded from adjusted compensation &amp; benefits</li> <li>Impairment of goodwill and other intangibles (Abbey Life only)</li> <li>as well as Deutsche AM specific non-recurring costs, namely</li> <li>Adjustments for withholding tax refund refers to incorrect applications for the filing of withholding tax reclaims for funds of Deutsche Asset Management Investment GmbH, linked to the "Fokus Bank Case" in 2015 and 2016 (net impact broadly flat over the 2 years), excluded from adjusted general &amp; administrative expenses</li> <li>Insurance payments received from a legal matter related to the EVAF fund (part of the former Non-Core Operations Unit) in 2016, excluded from adjusted general &amp; administrative expenses</li> </ul>
Adjusted Cost-Income-Ratio (Adj. CIR)	Adjusted CIR is the ratio of adjusted costs to adjusted revenues for each period.
Adjusted Profit Before Tax (Adj. PBT) [DB terminology: Adjusted Income Before Income Taxes (Adj. IBIT)]	Adjusted PBT is calculated by adjusting PBT to account for the impact of the revenue and cost adjustment items (see above).
Perimeter Adjustments	Perimeter adjustments relate to sold and discontinued businesses and comprise announced but not yet executed sales. The latter refers to the sale announcement of the US Private Equity Access Fund platform to iCapital Network, Inc announced in September 2017.

# Reconciliation from Deutsche AM reported segment to adjusted Deutsche AM standalone



2015 FY and 2016 FY

	Deutsche AM	Perimeter adjustments			Deutsche AM	Adjustments		Adjusted
	reported 2015	Abbey Life	Sold & discontinued business <sup>(1)</sup>	Other perimeter adjustments <sup>(2)</sup>	standalone reported 2015	DB Group definition <sup>(3)</sup>	Deutsche AM specific <sup>(4)</sup>	Deutsche AM standalone 2015
Revenues (€m)	3,016	(387)	(65)	20	2,584	-	43	2,626
Costs (€m)	(2,334)	337	78	(34)	(1,953)	7	47	(1,898)
Profit before tax (€m)	682	(50)	14	(14)	631	7	90	728
AUM (€bn)	744	(10)	(19)	-	716	-	-	716
FTE (#)	3,983	(30)	(182)	136	3,907	-	-	3,907

	Deutsche AM	Perimeter adjustments			Deutsche AM standalone	Adjustments		Adjusted Deutsche AM
	reported 2016	Abbey Life	Sold & discontinued business <sup>(1)</sup>	Other Perimeter adjustments <sup>(2)</sup>	reported 2016	DB Group definition <sup>(3)</sup>	Deutsche AM specific <sup>(4)</sup>	standalone 2016
Revenues (€m)	3,015	(537)	(68)	18	2,428	-	(58)	2,370
Costs (€m)	(3,221)	1,474	60	(101)	(1,787)	199	(78)	(1,666)
Profit before tax (€m)	(206)	937	(8)	(82)	641	199	(136)	704
AUM (€bn)	706	-	(14)	-	692	-	-	692
FTE (#)	3,888	-	(134)	138	3,892	-	-	3,892

<sup>(1)</sup> Sold and discontinued business includes the previously announced sales of the India asset management business, Luxembourg-based Sal. Oppenheim asset servicing business and US Private Equity Access Fund platform

<sup>(2)</sup> Includes adjustments for treasury allocations, infrastructure services and functions plus the AM related business within former non-core business unit (NCOU)

<sup>(3)</sup> Adjustments for EVAF litigation (2016 only), restructuring and severance

<sup>(4)</sup> Adjustments for HETA valuation impact, sales gain of PowerShares fund (2015 only), EVAF insurance payments (2016 only) and 'Fokus Bank' case

# Reconciliation from Deutsche AM reported segment to adjusted Deutsche AM standalone



9M-16 and 9M-17

	Deutsche AM	Perimeter adjustments			Deutsche AM	Adjustments		Adjusted
	reported 9M-16	Abbey Life	Sold & discontinued business <sup>(1)</sup>	Other perimeter adjustments <sup>(2)</sup>	standalone reported 9M-16	DB Group definition <sup>(3)</sup>	Deutsche AM specific <sup>(4)</sup>	Deutsche AM standalone 9M-16
Revenues (€m)	2,216	(371)	(95)	12	1,762	-	(53)	1,709
Costs (€m)	(1,669)	346	43	(56)	(1,335)	156	(35)	(1,214)
Profit before tax (€m)	547	(25)	(52)	(44)	426	156	(88)	495
AUM (€bn)	715	(9)	(14)	-	692	-	-	692
FTE (#)	3,909	(32)	(132)	138	3,883	-	-	3,883

	Deutsche AM	Perimeter adjustments		Deutsche AM standalone	Adjustments		Adjusted Deutsche AM	
	reported 9M-17	Abbey Life	Sold & discontinued business <sup>(1)</sup>	Other perimeter adjustments <sup>(2)</sup>	reported 9M-17	DB Group definition <sup>(3)</sup>	Deutsche AM specific <sup>(4)</sup>	standalone 9M-17
Revenues (€m)	1,911	-	(30)	27	1,908	-	(53)	1,855
Costs (€m)	(1,301)	1	29	9	(1,263)	6	-	(1,258)
Profit before tax (€m)	610	1	(1)	35	645	6	(53)	597
AUM (€bn)	711	-	(13)		698	-	-	698
FTE (#)	3,842	-	(135)	124	3,830	-	-	3,830

<sup>(1)</sup> Sold and discontinued business includes the previously announced sales of the India asset management business (9M-16 only), Luxembourg-based Sal. Oppenheim asset servicing business and US Private Equity Access Fund platform

<sup>(2)</sup> Includes adjustments for treasury allocations, infrastructure services and functions plus the AM related business within former non-core business unit (NCOU)

<sup>(3)</sup> Adjustments for EVAF litigation (9M-16 only), restructuring and severance

<sup>(4)</sup> Adjustments for HETA valuation impact (9M-16 only), EVAF insurance payments and 'Fokus Bank' case (9M-16 only)

### Deutsche AM standalone financials



## Adjusted profit & loss statement and key performance indicators (€m)

	FY 2015	FY 2016	9M-16	9M-17	FY16 %Δ	9M17 %Δ
Management fees and other recurring revenues	1 2,274	2,149	4 1,595	1,662	(6)%	4%
Performance and transaction fees and other non-recurring revenues	248	215	5 87	133	(13)%	53%
Other revenues <sup>(1)</sup>	104	5	26	7 60	(95)%	129%
Adjusted net revenues	2,626	2,370	1,709	1,855	(10)%	9%
Compensation & benefits	2 (859)	(697)	6 (520)	(572)	(19)%	10%
General & administrative expenses	(1,040)	(969)	(694)	(685)	(7)%	(1)%
Adjusted total cost base	(1,898)	(1,666)	(1,214)	(1,258)	(12)%	4%
Adjusted profit before tax	728	704	495	597	(3)%	21%
Adjusted CIR	72%	70%	71%	68%	(3)%	(4)%
FTE	3,907	3,892	3,883	3,830	(2)%	(3)%
AuM (in €bn)	3 716	692	692	698	(3)%	(4)%
Net flows (in €bn)	19	(40)	(28)	15		
Net flows (% of BoP AuM – annualized)	3%	(6)%	(4)%	3%		

#### Key highlights

- Management fees and other recurring revenues decreased by €125m, or 6%
- Lower compensation & benefits costs are driven by a reduced cash bonus in 2016
- AuM decreased by €24bn in 2016 versus prior year driven by net asset outflows of €40bn mainly in the Americas region
- Management fees and other recurring revenues increased by €67m, or 4%
- Performance and transaction fees and other non-recurring revenues increased significantly by €46m, due to higher fund performance fees from Alternatives
- 6 Higher compensation & benefits costs are driven by a reduced cash bonus in 2016
- Number of items including Harvest

Note: All line items calculated on an adjusted basis. See Financial Glossary and Reconciliation pages 115 and 116 for further details

(1) Management / Performance fee revenue excl. fees from consolidated guaranteed funds which are shown under Other revenue, aligned to reporting within DB Group Financial Data Supplement

## Balance sheet: Translation from IFRS reported to economic view



Sep-17, €bn	IFRS reported <sup>(1)</sup>	Consolidated Funds	o/w DB Vita and pending	Economic view	Key Highlights
Assets					€5.7bn adjustments comprise:
Cash and bank balances	4.1	0.8		3.3	Guaranteed Funds (€4.6bn)
Fair valued fin. assets	4.3	3.6	2 0.6	4 0.2	
Financial assets AFS	0.3			4 0.3	Deutsche AM reports the individual assets and liabilities of those
Other investments	0.2			0.2	guaranteed funds that it controls under
Loans	0.3			4 0.3	IFRS
Intangible assets	3.6			3.6	<ul> <li>Fund assets and P&amp;L still belong solely to the investors, not Deutsche AM</li> </ul>
Tax assets	0.2			0.2	Deutsche AM does not consolidate
Other assets	1.7	0.3	3 0.4	1.0	where third party investors hold > 50%
Total assets	14.7	4.6	1.0	9.0	of units (e.g. Riester contracts)
					2 DB Vita (€0.6bn)
Liabilities					<ul> <li>Under IFRS 4 reporting of the assets</li> </ul>
Deposits	0.0			0.0	held to back unit linked contracts
Fair valued fin. liabilities	0.8		0.6	0.2	offered by DB Vita (fair valued financial assets)
Other short-term borrowings	0.5			0.5	Offset with financial liabilities due to
Other liabilities	6.5	4.6	0.4	1.4	investors holding the unit linked insurance contracts
Tax liabilities	0.6			0.6	3 Pendings (€0.4bn)
Total liabilities	8.5	4.6	1.0	2.8	
Net assets	6.2	_	_	6.2	<ul> <li>Settlement balances driven by investments for institutional clients</li> </ul>
Tangible net assets	2.6	-	-	2.6	Seed & co-investments represented on the simple balance sheet (€0.7bn) with residual loan of €0.1bn

<sup>(1)</sup> IFRS reported balance sheet as modelled for separate Deutsche AM standalone

## Net flows have been strong in passive, active multi asset and alternatives



#### Historical net flows (€bn)

