

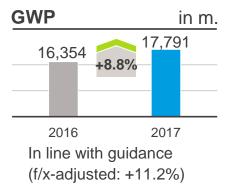
# Welcome to Hannover Re's Analysts' Conference

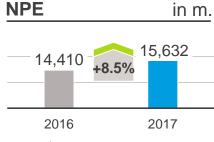
**Annual Results 2017** 



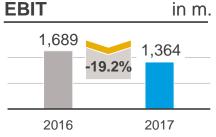
# Satisfactory result despite exceptionally high NatCat losses

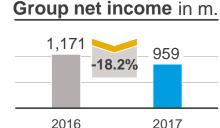
RoE at 10.9% exceeds target





F/x-adjusted: +10.8%





Impacted by high frequency of NatCat losses but aided by strong investment income

#### Return on Equity

10.9%

Well above minimum target of 9.8%

#### Book value per share

**EUR 70.72** 

-5.2% due to capital mgmt. & EUR strengthening

#### Dividend proposal

**EUR 5.00** 

Incl. EUR 1.50 special dividend

#### Solvency II ratio

260%

2016: 230%



P&C R/I

EBIT: 1,120 m.



- EBIT: 245 m.
- Consistently higher-than-expected claims from legacy US mortality biz
- Strong earnings growth from Financial solutions business
- ► F/x-adj. GWP +1.4% in line with expectations

Investments NII: 1,774 m.

Rol from AuM:

3.8%

- Rol significantly exceeds target (>2.7%)
- Strong increase in ordinary income
- Higher realised gains from disposal of listed equity in Q3

Very satisfying EBIT margin (12.2%) driven by strong investment income

► C/R of 99.8% stays <100% despite</p> heavy burden of major losses

Structured R/I

Strong premium growth (f/x-adj.

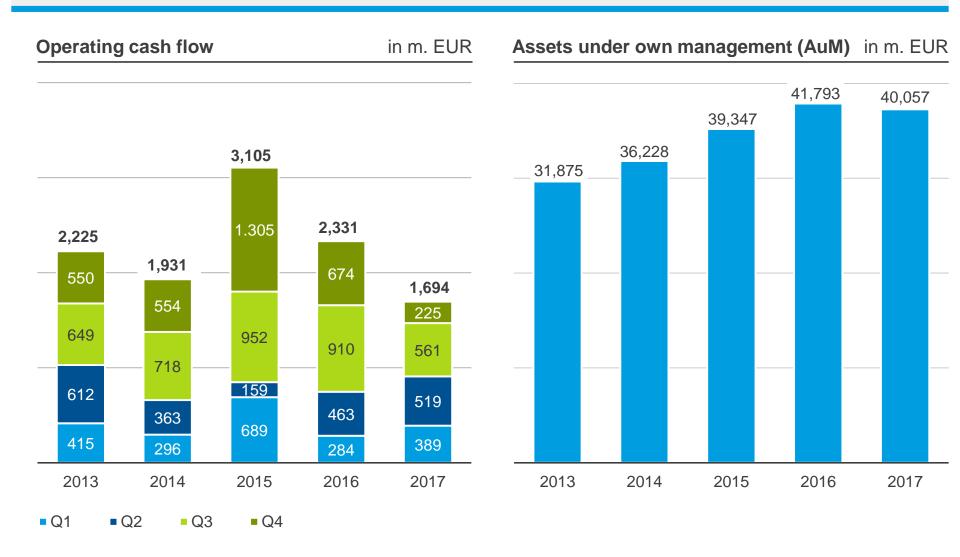
+18.7%) driven by new business in

Figures in EUR



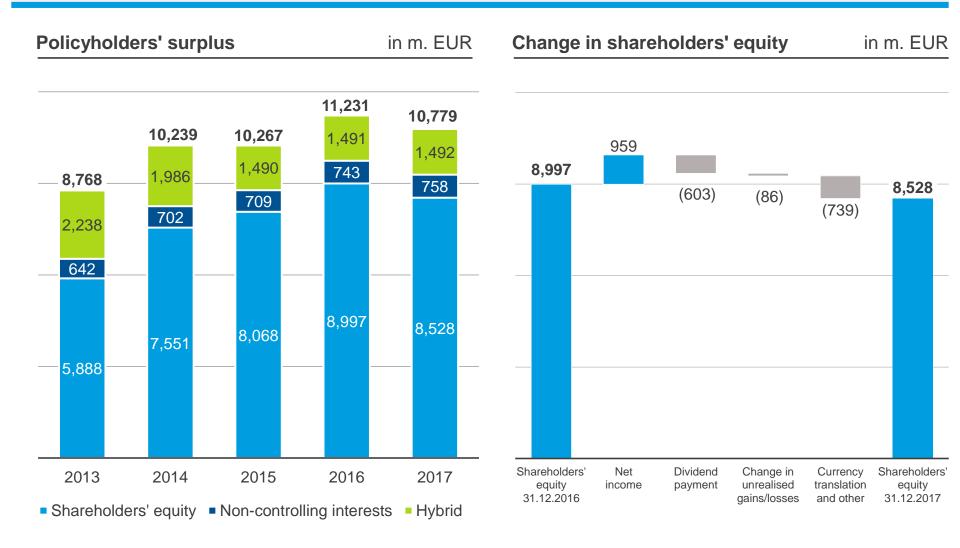
# Continued positive operating cash flow

AuM -4.2% driven by strengthening of the Euro and higher dividend payment



# Shareholders' equity down reflecting strong Euro ...

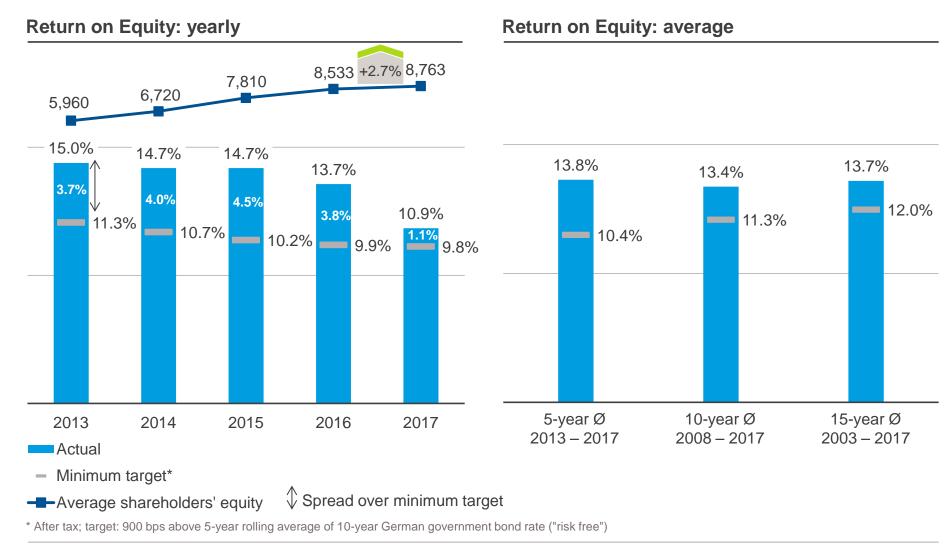
... and increased dividend payout





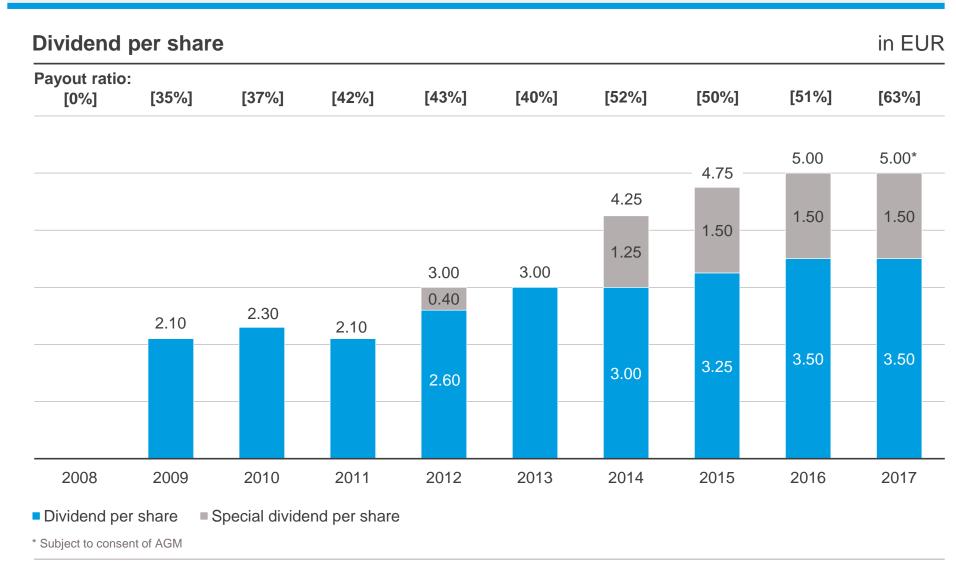
# RoE target outperformed again ...

... in a year with sizeable insured market losses



### Increased payout ratio allows stable dividends

Payout: EUR 3.50 ordinary dividend + EUR 1.50 special dividend per share



# Hannover Re is one of the most profitable reinsurers

No.1 position regained

|   | 20    | 13   | 20    | 14   | 20    | 15   | 20    | 16   | 20    | 17   | 2013 -   | 2017 |
|---|-------|------|-------|------|-------|------|-------|------|-------|------|----------|------|
| Company                                 | RoE   | Rank | avg. RoE | Rank |
| Hannover Re                             | 15.0% | 3    | 14.7% | 2    | 14.7% | 1    | 13.7% | 1    | 10.9% | 2    | 13.8%    | 1    |
| Peer 4, Bermuda,<br>Property & Casualty | 17.1% | 2    | 16.6% | 1    | 13.0% | 3    | 12.7% | 2    | 5.7%  | 3    | 13.0%    | 2    |
| Peer 3, US,<br>Life & Health            | 6.5%  | 10   | 10.6% | 7    | 7.6%  | 9    | 10.6% | 4    | 24.1% | 1    | 11.9%    | 3    |
| Peer 2, Switzerland,<br>Composite       | 13.7% | 5    | 10.5% | 8    | 13.7% | 2    | 10.6% | 3    | 1.0%  | 7    | 9.9%     | 4    |
| Peer 8, Bermuda Property & Casualty     | 18.0% | 1    | 13.7% | 3    | 9.5%  | 8    | 10.0% | 5    | -5.3% | 9    | 9.2%     | 5    |
| Peer 7, Bermuda Property & Casualty     | 13.8% | 4    | 13.2% | 5    | 10.4% | 5    | 9.6%  | 6    | -1.6% | 8    | 9.1%     | 6    |
| Peer 6, France,<br>Composite            | 11.2% | 8    | 9.6%  | 9    | 10.7% | 4    | 9.3%  | 7    | 4.4%  | 4    | 9.0%     | 7    |
| Peer 1, Germany,<br>Composite           | 12.5% | 6    | 11.3% | 6    | 10.2% | 7    | 8.3%  | 8    | 1.3%  | 5    | 8.7%     | 8    |
| Peer 9, Bermuda Property & Casualty     | 11.8% | 7    | 13.2% | 4    | 10.3% | 6    | 7.7%  | 9    | -7.2% | 9    | 7.2%     | 9    |
| Peer 5, US,<br>Property & Casualty      | 9.4%  | 9    | 9.4%  | 10   | 7.5%  | 10   | 5.9%  | 10   | 1.1%  | 6    | 6.7%     | 10   |

List shows the Top 10 of the Global Reinsurance Index (GloRe) Data based on company data, own calculation



# Pleasing Group net income despite exceptional NatCat events

Lower tax ratio due to nearly tax-free disposal of listed equities in Q3

| Group figures in m. EUR               | Q4/2016 | Q4/2017 | 2016   | 2017   |
|---------------------------------------|---------|---------|--------|--------|
| Gross written premium                 | 3,900   | 4,307   | 16,354 | 17,791 |
| Net premium earned                    | 3,649   | 4,090   | 14,410 | 15,632 |
| Net underwriting result               | 71      | 180     | 116    | (489)  |
| - Incl. funds withheld                | 154     | 235     | 448    | (254)  |
| Net investment income                 | 404     | 391     | 1,550  | 1,774  |
| - From assets under own mgmt.         | 322     | 337     | 1,218  | 1,539  |
| - From funds withheld                 | 82      | 55      | 332    | 235    |
| Other income and expenses             | 23      | (13)    | 23     | 79     |
| Operating profit/loss (EBIT)          | 498     | 558     | 1,689  | 1,364  |
| Interest on hybrid capital            | (18)    | (18)    | (72)   | (72)   |
| Net income before taxes               | 480     | 540     | 1,618  | 1,293  |
| Taxes                                 | (84)    | (105)   | (391)  | (248)  |
| Net income                            | 396     | 435     | 1,226  | 1,045  |
| - Non-controlling interests           | 17      | 25      | 55     | 86     |
| Group net income                      | 379     | 410     | 1,171  | 959    |
| Retention                             | 88.2%   | 91.6%   | 89.3%  | 90.5%  |
| EBIT margin (EBIT/Net premium earned) | 13.7%   | 13.6%   | 11.7%  | 8.7%   |
| Tax ratio                             | 17.6%   | 19.5%   | 24.2%  | 19.2%  |
| Earnings per share (in EUR)           | 3.15    | 3.40    | 9.71   | 7.95   |



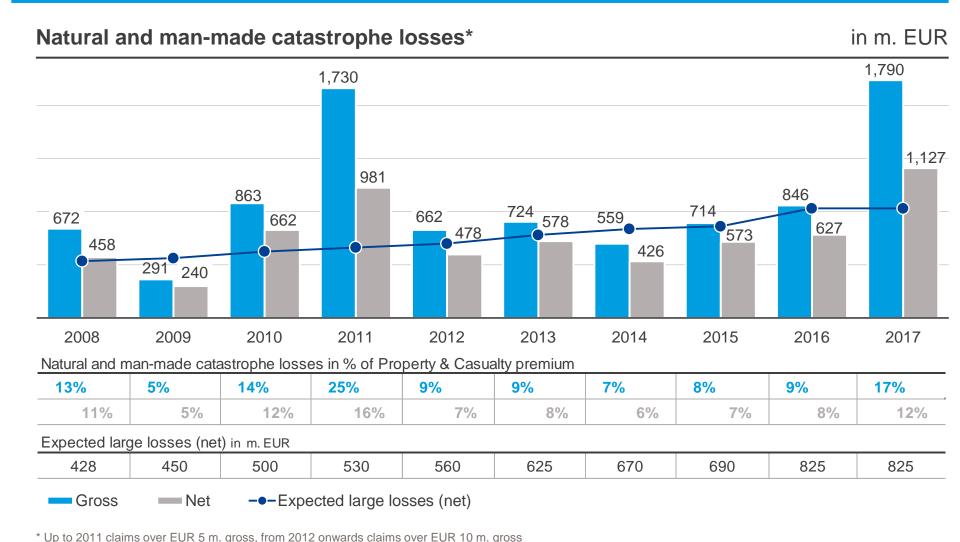
# EBIT margin of 12.2% despite high level of NatCat losses

Aided by strong investment income and positive underwriting result

| Property & Casualty R/I in m. EUR                        | Q4/2016 | Q4/2017 | 2016  | 2017   | YTD   |
|--|---------|---------|-------|--------|---|
| Gross written premium                                    | 2,084   | 2,512   | 9,205 | 10,711 | ► GWP f/x-adjusted +18.7%; growth mainly from structured R/I; diversified growth in other areas                             |
| Net premium earned                                       | 2,060   | 2,406   | 7,985 | 9,159  | ► NPE f/x-adjusted +17.0%   |
| Net underwriting result incl. interest on funds withheld | 209     | 311     | 503   | 15     | <ul> <li>Major losses of EUR 1,127 m. (Budget 825 m.)</li> <li>Higher run-off result due to initial conservative</li> </ul> |
| Combined ratio incl. interest on funds withheld          | 89.9%   | 87.1%   | 93.7% | 99.8%  | reserving; confidence level of loss reserves largely unchanged  |
| Net investment income from assets under own management   | 253     | 258     | 877   | 1,192  | ► Favourable ordinary investment income and realised gains from listed equity   |
| Other income and expenses                                | (17)    | (51)    | (40)  | (87)   | ➤ Other income and expenses within normal range, decreased f/x result, but still positive                                   |
| Operating profit/loss (EBIT)                             | 445     | 519     | 1,340 | 1,120  | ► EBIT margin of 12.2% (2016: 16.8%), well above target (10%)   |
| Tax ratio  | 21.3%   | 20.5%   | 25.3% | 18.1%  | ► Low tax ratio due to gains from disposal of   |
| Group net income   | 334     | 389     | 950   | 837    | listed equities almost tax-free   |
| Earnings per share (in EUR)                              | 2.77    | 3.22    | 7.88  | 6.94   |   |



# Major losses sharply in excess of large loss budget



hannover **re**®

### Accumulation of events led to losses ...

... about EUR 300 m. higher than large loss budget

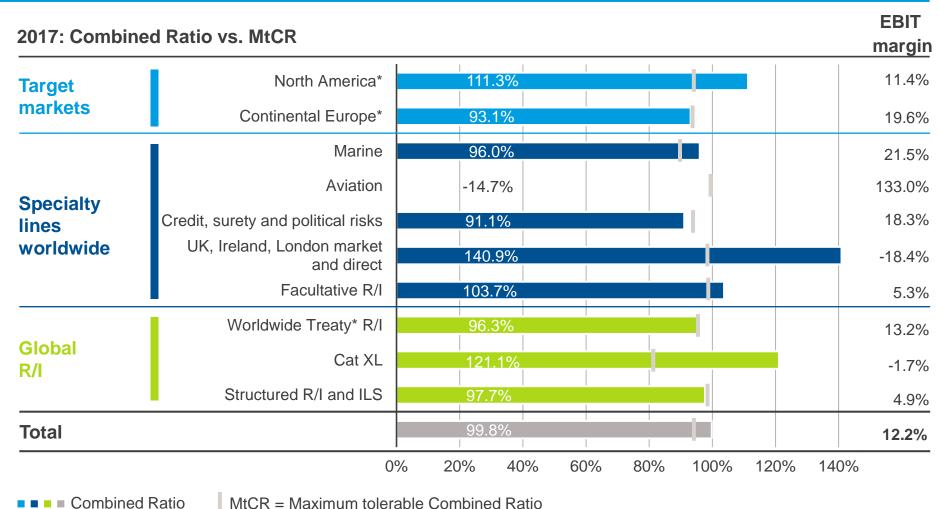
| Catastrophe losses* in m. EUR | Date           | Gross   | Net     |
|-------------------------------|----------------|---------|---------|
| Storm / Tornados, USA         | 18 - 21 Jan    | 12.4    | 9.9     |
| Wildfires, Chile              | 21 Jan - 3 Feb | 19.2    | 17.3    |
| Cyclone "Debbie", Australia   | 27 - 28 Mar    | 63.0    | 47.8    |
| Thunderstorms / Hail, USA     | 10 - 13 Jun    | 11.0    | 4.5     |
| Typhoon "Hato", China         | 22 - 23 Aug    | 12.5    | 9.0     |
| Hurricane "Harvey"            | 23 - 31 Aug    | 215.8   | 122.1   |
| Hurricane "Irma"              | 5 - 13 Sep     | 597.9   | 342.6   |
| Earthquake, Mexico            | 7 - 8 Sep      | 11.3    | 8.7     |
| Hurricane "Maria"             | 18 - 21 Sep    | 413.8   | 284.7   |
| Earthquake, Mexico            | 19 Sep         | 45.1    | 40.5    |
| California Wildfire, USA      | 7 - 30 Oct     | 212.6   | 81.9    |
| California Wildfire, USA      | 3 - 20 Dec     | 27.7    | 19.2    |
| 12 Natural catastrophes       |                | 1,642.2 | 988.2   |
| 4 Property claims             |                | 119.9   | 111.3   |
| 2 Credit claims               |                | 27.7    | 27.7    |
| 18 Major losses               |                | 1,789.9 | 1,127.3 |



<sup>\*</sup> Natural catastrophes and other major losses in excess of EUR 10 m. gross

### Combined Ratio slightly above MtCR

Positive development of reserves led to exceptional aviation result





MtCR = Maximum tolerable Combined Ratio

<sup>\*</sup> All lines of Property & Casualty reinsurance except those stated separately

# Good underlying profitability in Life & Health

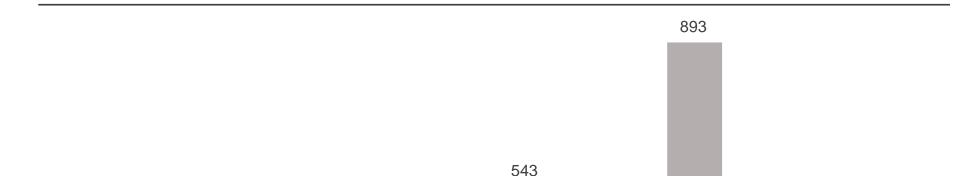
### Result affected by legacy US mortality business

| Life & Health R/I in m. EUR                              | Q4/2016 | Q4/2017 | 2016  | 2017  | YTD   |
|--|---------|---------|-------|-------|---|
| Gross written premium                                    | 1,816   | 1,795   | 7,149 | 7,080 | ► GWP f/x-adj. +1.4%, reduced premium volume from large-volume treaties compensated by                  |
| Net premium earned                                       | 1,589   | 1,684   | 6,425 | 6,473 | diversified growth  ► NPE f/x-adjusted growth +3.0%   |
| Net underwriting result incl. interest on funds withheld | (55)    | (76)    | (55)  | (269) | Technical result impacted by legacy US<br>mortality biz including recapture of EUR -45 m.               |
| Net investment income from assets under own management   | 67      | 77      | 331   | 343   | <ul> <li>Favourable ordinary investment income</li> <li>Other income increased due to strong</li> </ul> |
| Other income and expenses                                | 41      | 38      | 67    | 171   | contribution from deposit accounted treaties of EUR 184 m. (2016: EUR 64 m.)                            |
| Operating profit/loss (EBIT)                             | 53      | 39      | 343   | 245   | ► EBIT margins:   |
| EBIT margin  | 3.3%    | 2.3%    | 5.3%  | 3.8%  | • Financial solutions: 25.4% (target: 2%)   |
| Tax ratio  | 15.6%   | 1.5%    | 25.2% | 27.0% | <ul><li>Longevity: 2.1% (target: 2%)</li><li>Mortality/Morbidity 0.0% (target: 6%)</li></ul>            |
| Group net income   | 44      | 37      | 253   | 173   |   |
| Earnings per share (in EUR)                              | 0.37    | 0.31    | 2.10  | 1.43  |   |



# **Value of New Business above target**

**Value of New Business development** 





<sup>1)</sup> Based on MCEV principles and post-tax reporting (in 2015 cost of capital already increased from 4.5% to 6% in line with Solvency II)

448

309



364

in m. EUR

**Target** 

≥ EUR 220 m.

<sup>2)</sup> Based on Solvency II principles and pre-tax reporting

### **Ordinary investment income increased by 11.5%**

#### Realisations boost strong result even further

| in m. EUR   | Q4/2016 | Q4/2017 | 2016  | 2017  | Rol   |
|---|---------|---------|-------|-------|-------|
| Ordinary investment income*                                 | 317     | 352     | 1,171 | 1,305 | 3.2%  |
| Realised gains/losses                                       | 53      | 34      | 206   | 377   | 0.9%  |
| Impairments/appreciations & depreciations                   | (15)    | (37)    | (76)  | (71)  | -0.2% |
| Change in fair value of financial instruments (through P&L) | (3)     | 16      | 26    | 39    | 0.1%  |
| Investment expenses   | (29)    | (29)    | (109) | (111) | -0.3% |
| NII from assets under own mgmt.                             | 322     | 337     | 1,218 | 1,539 | 3.8%  |
| NII from funds withheld                                     | 82      | 55      | 332   | 235   |       |
| Total net investment income                                 | 404     | 391     | 1,550 | 1,774 |       |
|   |         |         |       |       |       |

| Unrealised gains/losses of investments | 31 Dec 16 | 31 Dec 17 |
|--|-----------|-----------|
| On-balance sheet                       | 1,355     | 1,159     |
| thereof Fixed income AFS               | 728       | 706       |
| Off-balance sheet                      | 509       | 489       |
| thereof Fixed income HTM, L&R          | 370       | 315       |
| Total                                  | 1,864     | 1,648     |

<sup>\*</sup> Incl. results from associated companies

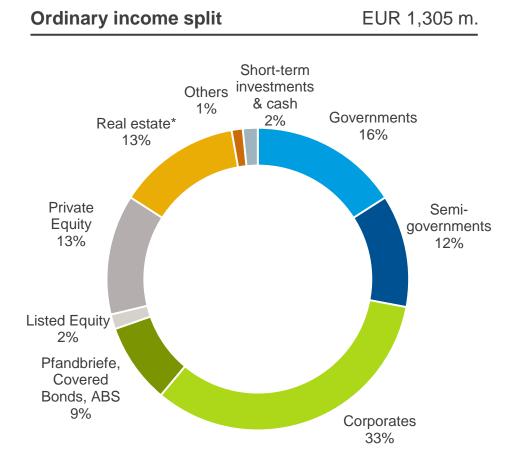
#### YTD

- Strong rise in ordinary income despite lower yielding fixed income portfolio mainly due to high partially extraordinary - income from private equity and real estate funds
- Realised gains/losses impacted by liquidation of listed equity. Gain from equity sale represents EUR 226 m. or 0.6 %-p.
- Impairments on real estate and participations; major portion still from regular depreciation on real estate
- Higher EUR- and GBP yields reduce reserves of (semi-) government bonds and covereds; lower valuation reserves mostly due to disposal of listed equity



# Ordinary income supported by less liquid asset classes

Real estate and Private Equity boost ordinary income beyond target return



#### **Asset allocation**

| Investment category               | 31 Dec 2017 |
|-----------------------------------|-------------|
| Fixed-income securities           | 87%         |
| - Governments                     | 30%         |
| - Semi-governments                | 17%         |
| - Corporates                      | 32%         |
| Investment grade                  | 27%         |
| Non-investment grade              | 5%          |
| - Pfandbriefe, Covered Bonds, ABS | 8%          |
| Equities                          | 2%          |
| - Listed Equity                   | <1%         |
| - Private Equity                  | 2%          |
| Real estate/real estate funds     | 5%          |
| Others                            | 1%          |
| Short-term investments & cash     | 4%          |
| Total market values in bn. EUR    | 40.5        |

Economic view based on market values as at 31 December 2017



<sup>\*</sup> Before real estate-specific costs

### **Barbell strategy targets achieved**

### Returns from liquidation of Listed Equity initially invested in government bonds

#### Asset allocation<sup>1)</sup>

| Investment category               | 2013 | 2014 | 2015 | 2016 | 2017             |
|-----------------------------------|------|------|------|------|------------------|
| Fixed-income securities           | 90%  | 90%  | 87%  | 87%  | 87%              |
| - Governments                     | 19%  | 21%  | 26%  | 28%  | 30%              |
| - Semi-governments                | 20%  | 19%  | 17%  | 18%  | 17%              |
| - Corporates                      | 36%  | 36%  | 34%  | 33%  | 32%              |
| Investment grade                  | 33%  | 33%  | 30%  | 28%  | 27%              |
| Non-investment grade              | 3%   | 3%   | 4%   | 4%   | 5%               |
| - Pfandbriefe, Covered bonds, ABS | 15%  | 14%  | 10%  | 9%   | 8% <sup>2)</sup> |
| Equities                          | 2%   | 2%   | 3%   | 4%   | 2%               |
| - Listed equity                   | <1%  | <1%  | 1%   | 2%   | <1%              |
| - Private equity                  | 2%   | 2%   | 2%   | 2%   | 2%               |
| Real estate/real estate funds     | 4%   | 4%   | 4%   | 5%   | 5%               |
| Others                            | 1%   | 1%   | 1%   | 1%   | 1%               |
| Short-term investments & cash     | 4%   | 4%   | 5%   | 4%   | 4%               |
| Total market values in bn. EUR    | 32.2 | 36.8 | 39.8 | 42.3 | 40.5             |

<sup>1)</sup> Economic view based on market values without outstanding commitments for Private Equity and Alternative Real Estate as well as fixed-income investments of EUR 1,201.9 m. (EUR 1,036.8 m.) as at 31 December 2017



<sup>2)</sup> Of which Pfandbriefe and Covered Bonds = 72.5%



# Solvency II reporting as at 31 December 2017

# Capital position even more comfortable due to OpRisk approval Capital adequacy above targets

| in m. EUR   | Internal<br>Metrics<br>31.12.2017 | <b>Solvency II</b> <sup>1)</sup> 31.12.2017 | <b>Solvency II</b> <sup>2)</sup> 31.12.2016 |   |
|---|-----------------------------------|---|---|---|
| Available Economic Capital / Eligible Own Funds     | 13,042                            | 12,310                                      | 12,835                                      | ► Haircut (EUR 732 m.) for minority interests <sup>3)</sup>   |
| Confidence Level                                    | 99.5%                             | 99.5%                                       | 99.5%                                       |   |
| Required Capital /<br>Solvency Capital Requirements | 4,729                             | 4,729                                       | 5,586                                       | <ul> <li>Approval of internal model for<br/>OpRisk</li> </ul> |
| Excess Capital                                      | 8,313                             | 7,581                                       | 7,249                                       |   |
| Capital Adequacy Ratio (CAR)                        | 276%                              | 260%  | 230%  |   |
| Minimum Target Ratio (Limit)                        | 180%                              | 180%  | 180%  |   |
| Minimum Target Ratio (Threshold)                    | 200%                              | 200%  | 200%  |   |

<sup>1)</sup> Regulatory view (Solvency II): full internal model incl. operational risk (starting Q3/2017), confidence level at 99.5%; own funds based on the Solvency II reporting as of 31 December 2017, the related audits are at present not fully completed.



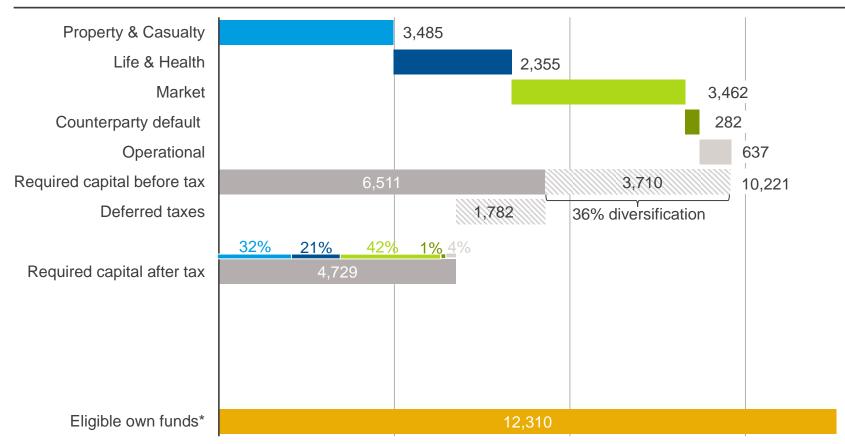
<sup>2)</sup> Regulatory view (Solvency II): partial internal model with standard formula for operational risk, confidence level at 99.5%; small deviations compared to annual report 2016 since the amounts are based on final Solvency II year end reporting as presented in the SFCR.

<sup>3)</sup> Non-available minority interests mostly consist of non-controlling interests in E+S Rückversicherung AG

# Capital efficiency supported by high diversification

Details of Solvency II capital requirements

Risk capital for the 99.5% VaR (according to internal economic capital model) in m. EUR



As at 31 December 2017

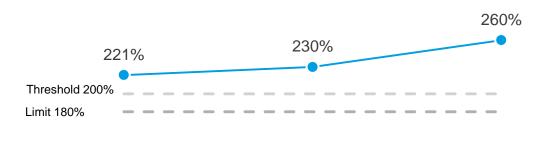


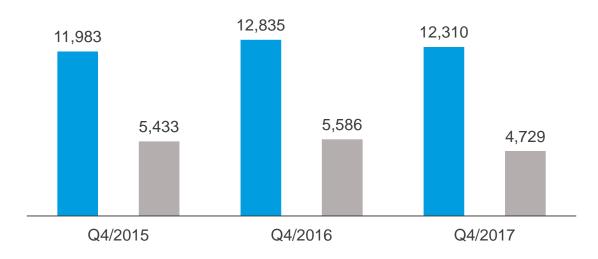
<sup>\*</sup> According to the internal model (including haircut for minority interest)

### Solvency II capital sufficiency further improved

Despite significant changes in economic environment

#### Development of the capital adequacy ratio (regulatory view)





■ Eligible Capital ■ Solvency Capital Requirements (SCR)

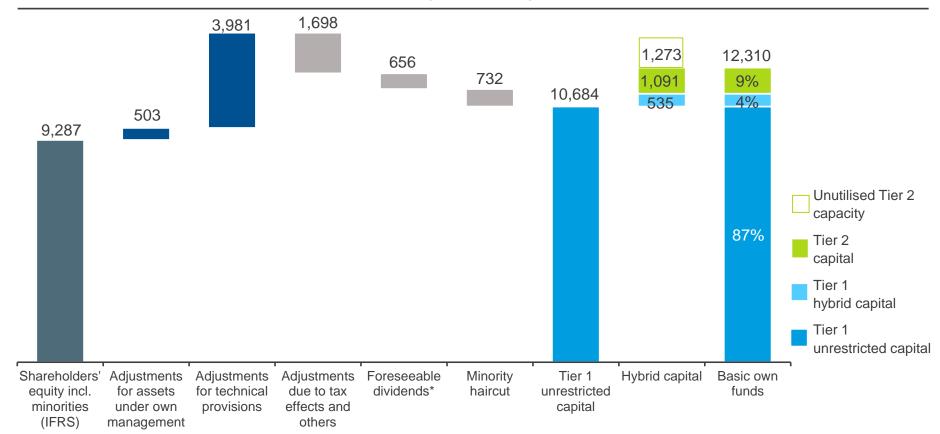
- 2016: Overall increase in available capital due to positive results and favourable new business developments in line with increase in required capital
- 2017: Increase in solvency ratio due to application of full internal model (including OpRisk), f/x-induced reduction in funds and capital requirements



### **High-quality capital base**

Own funds largely dominated by Tier 1 capital supplemented by hybrid capital

#### Reconciliation (IFRS Shareholders' equity/Solvency II own funds) in m. EUR as at 31 Dec 17



The related audits are at present not fully completed



<sup>\*</sup> Foreseeable dividends and distributions refer to Hannover Rück SE dividend including non-controlling interests

### **Target Matrix 2017**

### Achievement of profit targets impacted by high NatCat frequency

| Business group          | Key figures   | Strategic targets for 2017 | 2017         |
|-------------------------|---|----------------------------|--------------|
| Group                   | Return on investment <sup>1)</sup>                      | >2.7%                      | 3.8%         |
|                         | Return on equity <sup>2)</sup>                          | ≥9.8%                      | 10.9%        |
|                         | Earnings per share growth (y-o-y)                       | ≥6.5%                      | -18.2%       |
|                         | Value creation per share <sup>3)</sup>                  | ≥7.5%                      | 1.5%         |
| Property & Casualty R/I | Gross premium growth                                    | 3% - 5% <sup>4)</sup>      | 18.7%        |
|                         | Combined ratio  | ≤96% <sup>5)</sup>         | 99.8%        |
|                         | EBIT margin <sup>6)</sup>                               | ≥10%                       | 12.2%        |
|                         | xRoCA <sup>7)</sup>                                     | ≥2%                        | 1.1%         |
| Life & Health R/I       | Gross premium growth                                    | 5% - 7% <sup>8)</sup>      | 1.4%         |
|                         | Value of New Business (VNB) <sup>9)</sup>               | ≥ EUR 220 m.               | EUR 364 m. 🗸 |
|                         | EBIT margin <sup>6)</sup> Financial solutions/Longevity | ≥2%                        | 13.2%        |
|                         | EBIT margin <sup>6)</sup> Mortality/Morbidity           | ≥6%                        | 0.0%         |
|                         | xRoCA <sup>7)</sup>                                     | ≥3%                        | -8.5%        |

<sup>1)</sup> Excl. effects from ModCo derivatives

<sup>8)</sup> Organic growth only; annual average growth (5 years), at unchanged f/x rates



<sup>3)</sup> Growth in book value per share + paid dividend

<sup>5)</sup> Incl. expected net major losses of EUR 825 m.

<sup>7)</sup> Excess return on allocated economic capital

<sup>9)</sup> Based on a cost of capital of 6% (until 2014: 4.5%)

<sup>2)</sup> After tax; target: 900 bps above 5-year average return of 10-year German government bonds

<sup>4)</sup> On average throughout the R/I cycle; at unchanged f/x rates

<sup>6)</sup> EBIT/net premium earned

# Outlook 2018

# Overall profitability above margin requirements

Property & Casualty reinsurance: financial year 2018

|                       | Lines of business                          | Volume <sup>1)</sup> | Profitability <sup>2)</sup> |
|-----------------------|--|----------------------|-----------------------------|
| Target<br>markets     | North America <sup>3)</sup>                | <b>2</b>             | +                           |
|                       | Continental Europe <sup>3)</sup>           | <b>2</b>             | +                           |
|                       | Marine                                     | <b>( )</b>           | +/-                         |
| Specialty             | Aviation                                   | <b>S</b>             | -                           |
| lines                 | Credit, surety and political risks         | <b>2</b>             | +                           |
| worldwide             | UK, Ireland, London market and direct      | <b>2</b>             | +/-                         |
|                       | Facultative reinsurance                    | •                    | +                           |
| Global<br>reinsurance | Worldwide treaty <sup>3)</sup> reinsurance | <b>2</b>             | +/-                         |
|                       | Cat XL                                     | 2                    | +/-                         |
|                       | Structured reinsurance and ILS             | 2                    | +/-                         |

<sup>1)</sup> In EUR, development in original currencies can be different

<sup>2) ++ =</sup> well above CoC; +/ = above CoC; +/- = CoC earned; - = below Cost of Capital (CoC)

<sup>3)</sup> All lines of business except those stated separately

# Good underlying profitability in L&H business

Further strains from legacy US mortality business expected in 2018

|                     | Reporting categories | Volume <sup>1)</sup> | Profitability <sup>2)</sup> |
|---------------------|----------------------|----------------------|-----------------------------|
| Financial solutions | Financial solutions  |                      | ++                          |
|                     | Longevity            |                      | +/-                         |
| Risk<br>solutions   | Mortality            |                      | -                           |
|                     | Morbidity            | 2                    | +/-                         |

<sup>1)</sup> In EUR

<sup>2) ++ =</sup> well above CoC; += above CoC; +/- = CoC earned; - = below Cost of Capital (CoC)

#### **Guidance for 2018**

#### Hannover Re Group

- ► Gross written premium<sup>1)</sup> \_\_\_\_\_ single-digit percentage growth
- ► Return on investment<sup>2) 3)</sup> \_\_\_\_\_\_ 2.7%
- ► Group net income<sup>2)</sup> \_\_\_\_\_ more than EUR 1 bn.
- ▶ Dividend payout ratio<sup>4)</sup> \_\_\_\_\_\_\_ 35% 40% (If comfortable level of capitalisation remains unchanged, this ratio will increase through payment of another special dividend)

<sup>1)</sup> At unchanged f/x rates

<sup>2)</sup> Subject to no major distortions in capital markets and/or major losses in 2018 not exceeding the large loss budget of EUR 825 m.

<sup>3)</sup> Excluding effects from ModCo derivatives

<sup>4)</sup> Relative to group net income according to IFRS

#### Rationale for our short- and medium-term outlook

#### Property & Casualty R/I: Positioned to outperform



- Improved rates should support C/R target ≤96% without the need to reduce confidence level of the loss reserves
- Strong market position and financial strength enable us to outgrow the market

#### Life & Health R/I: Increasing profits (EBIT) in the medium term





- ► Inforce management in US mortality business could impact EBIT contribution in 2018 due to recaptures
- ► EBIT expectation for 2018: ~EUR 200 m.
- Above-target VNB development and inforce management are the basis for IFRS profit growth from 2019 onwards

#### Investments: Stable Rol in low yield environment



► Normalised ordinary investment income expected at absolute level on average of past 5 years; medium-term growth expected due to increase in AuM supported by positive cash flow and increasing reinvestment yields



# **Appendix**

# Our strategic business groups at a glance 2017 vs. 2016

|   | Property & Casualty R/I |        | Life & Health R/I |        |        | Total   |        |        |         |
|---|-------------------------|--------|-------------------|--------|--------|---------|--------|--------|---------|
| in m. EUR   | 2016                    | 2017   | Δ                 | 2016   | 2017   | Δ       | 2016   | 2017   | Δ       |
| Gross written premium                             | 9,205                   | 10,711 | +16.4%            | 7,149  | 7,080  | -1.0%   | 16,354 | 17,791 | +8.8%   |
| Net premium earned                                | 7,985                   | 9,159  | +14.7%            | 6,425  | 6,473  | +0.7%   | 14,410 | 15,632 | +8.5%   |
| Net underwriting result                           | 479                     | (2)    | -100.5%           | (363)  | (486)  | +34.0%  | 116    | (489)  | -       |
| Net underwritung result incl. funds withheld      | 503                     | 15     | -96.9%            | (55)   | (269)  | -       | 448    | (254)  | -156.6% |
| Net investment income                             | 901                     | 1,209  | +34.2%            | 639    | 561    | -12.3%  | 1,550  | 1,774  | +14.4%  |
| From assets under own management                  | 877                     | 1,192  | +35.9%            | 331    | 343    | +3.8%   | 1,218  | 1,539  | +26.3%  |
| From funds withheld                               | 24                      | 18     | -26.0%            | 308    | 217    | -29.5%  | 332    | 235    | -29.3%  |
| Other income and expenses                         | (40)                    | (87)   | +118.5%           | 67     | 171    | +154.1% | 23     | 79     | -       |
| Operating profit/loss (EBIT)                      | 1,340                   | 1,120  | -16.4%            | 343    | 245    | -28.6%  | 1,689  | 1,364  | -19.2%  |
| Interest on hybrid capital                        | (0)                     | (0)    | -                 | 0      | 0      | -       | (72)   | (72)   | +0.1%   |
| Net income before taxes                           | 1,340                   | 1,120  | -16.4%            | 343    | 245    | -28.6%  | 1,618  | 1,293  | -20.1%  |
| Taxes   | (339)                   | (203)  | -40.1%            | (87)   | (66)   | -23.4%  | (391)  | (248)  | -36.6%  |
| Net income  | 1,001                   | 917    | -8.4%             | 257    | 179    | -30.3%  | 1,226  | 1,045  | -14.8%  |
| Non-controlling interest                          | 51                      | 80     | +55.3%            | 4      | 6      | +62.8%  | 55     | 86     | +55.8%  |
| Group net income                                  | 950                     | 837    | -11.8%            | 253    | 173    | -31.7%  | 1,171  | 959    | -18.2%  |
| Retention   | 88.5%                   | 89.7%  |                   | 90.4%  | 91.7%  |         | 89.3%  | 90.5%  |         |
| Combined ratio (incl. interest on funds withheld) | 93.7%                   | 99.8%  |                   | 100.9% | 104.2% |         | 96.9%  | 101.6% |         |
| EBIT margin (EBIT / Net premium earned)           | 16.8%                   | 12.2%  |                   | 5.3%   | 3.8%   |         | 11.7%  | 8.7%   |         |
| Tax ratio   | 25.3%                   | 18.1%  |                   | 25.2%  | 27.0%  |         | 24.2%  | 19.2%  |         |
| Earnings per share (in EUR)                       | 7.88                    | 6.94   |                   | 2.10   | 1.43   |         | 9.71   | 7.95   |         |



# Our strategic business groups at a glance

Q4 stand-alone

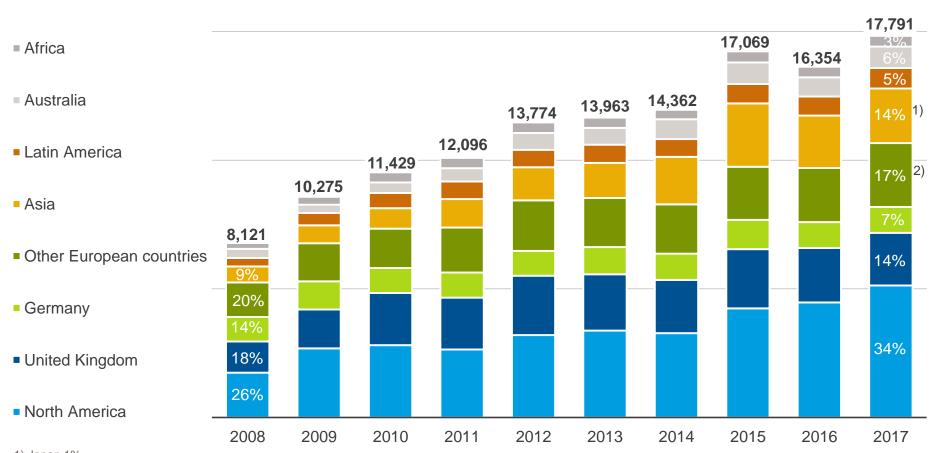
|   | Property & Casualty R/I |         | Life & Health R/I |         |         | Total   |         |         |        |
|---|-------------------------|---------|-------------------|---------|---------|---------|---------|---------|--------|
| in m. EUR   | Q4/2016                 | Q4/2017 | Δ                 | Q4/2016 | Q4/2017 | Δ       | Q4/2016 | Q4/2017 | Δ      |
| Gross written premium                             | 2,084                   | 2,512   | +20.5%            | 1,816   | 1,795   | -1.1%   | 3,900   | 4,307   | +10.4% |
| Net premium earned                                | 2,060                   | 2,406   | +16.8%            | 1,589   | 1,684   | +6.0%   | 3,649   | 4,090   | +12.1% |
| Net underwriting result                           | 204                     | 307     | +50.7%            | (132)   | (126)   | -       | 71      | 180     | -      |
| Net underwritung result incl. funds withheld      | 209                     | 311     | +48.9%            | (55)    | (76)    | -       | 154     | 235     | -      |
| Net investment income                             | 258                     | 263     | +1.6%             | 144     | 128     | -11.3%  | 404     | 391     | -3.1%  |
| From assets under own management                  | 253                     | 258     | +2.0%             | 67      | 77      | +15.1%  | 322     | 337     | +4.6%  |
| From funds withheld                               | 5                       | 4       | -19.2%            | 77      | 50      | -34.4%  | 82      | 55      | -33.4% |
| Other income and expenses                         | (17)                    | (51)    | -                 | 41      | 38      | -       | 23      | (13)    | -      |
| Operating profit/loss (EBIT)                      | 445                     | 519     | +16.4%            | 53      | 39      | -       | 498     | 558     | +12.0% |
| Interest on hybrid capital                        | (0)                     | (0)     | -                 | (0)     | 0       | -       | (18)    | (18)    | +0.4%  |
| Net income before taxes                           | 445                     | 519     | +16.4%            | 53      | 39      | -       | 480     | 540     | +12.4% |
| Taxes   | (95)                    | (106)   | -                 | (8)     | (1)     | -       | (84)    | (105)   | -      |
| Net income  | 351                     | 412     | +17.5%            | 45      | 39      | -13.3%  | 396     | 435     | +9.8%  |
| Non-controlling interest                          | 16                      | 23      | +45.3%            | 1       | 2       | +205.7% | 17      | 25      | +50.9% |
| Group net income                                  | 334                     | 389     | +16.2%            | 44      | 37      | -16.2%  | 379     | 410     | +8.0%  |
| Retention   | 89.1%                   | 91.1%   |                   | 87.2%   | 92.3%   |         | 88.2%   | 91.6%   |        |
| Combined ratio (incl. interest on funds withheld) | 89.9%                   | 87.1%   |                   | 103.5%  | 104.5%  |         | 95.8%   | 94.3%   |        |
| EBIT margin (EBIT / Net premium earned)           | 21.6%                   | 21.5%   |                   | 3.3%    | 2.3%    |         | 13.7%   | 13.6%   |        |
| Tax ratio   | 21.3%                   | 20.5%   |                   | 15.6%   | 1.5%    |         | 17.6%   | 19.5%   |        |
| Earnings per share (in EUR)                       | 2.77                    | 3.22    |                   | 0.37    | 0.31    |         | 3.15    | 3.40    |        |



### Well balanced international portfolio growth

#### **Gross written premium (Group)**

in m. EUR

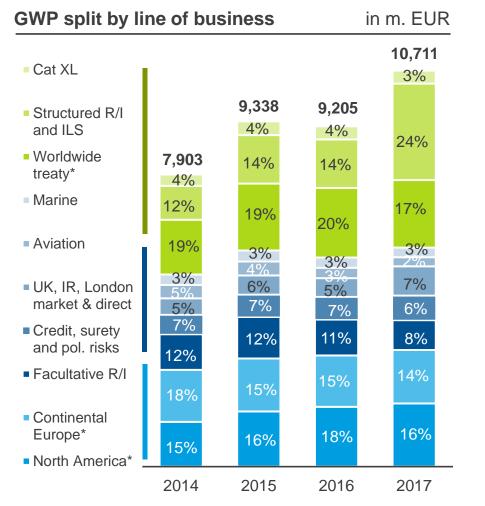


<sup>1)</sup> Japan 1%

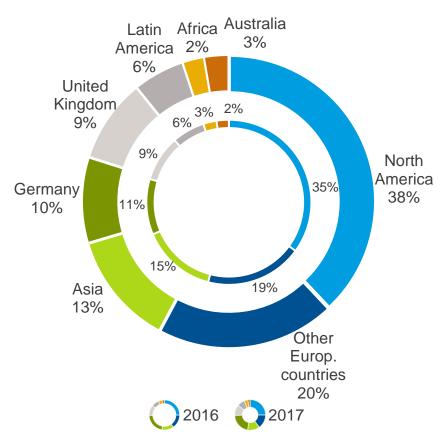
<sup>2)</sup> CEE and Russia 3%

# **Property & Casualty reinsurance: selective growth**

3-year CAGR: +10.7%



#### **GWP** split by regions

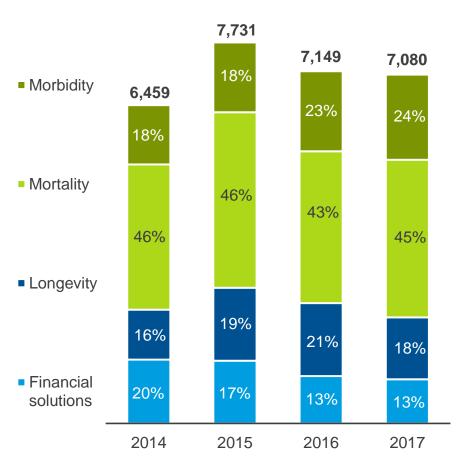


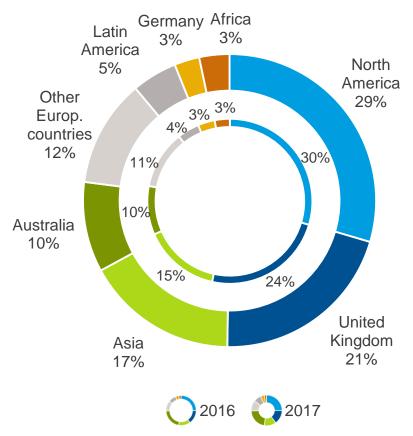
<sup>\*</sup> All lines of business except those stated separately

### Life & Health reinsurance: a well diversified portfolio

3-year CAGR: 3.1%









### Stress tests on assets under own management

Unchanged focus on yields and spreads; reduced relevance of Equity investments

| Portfolio                          | Scenario | Change in market value<br>in m. EUR | Change in OCI before tax<br>in m. EUR |  |
|------------------------------------|----------|-------------------------------------|---------------------------------------|--|
| Equity (listed and private equity) | -10%     | -81                                 | -81                                   |  |
| Equity (listed and private equity) | -20%     | -163                                | -163                                  |  |
| Fixed-income securities            | +50 bps  | -848                                | -765                                  |  |
| Fixed-income securities            | +100 bps | -1,652                              | -1,490                                |  |
| Credit spreads                     | +50%     | -679                                | -658                                  |  |
| Real estate                        | -10%     | -214                                | -113                                  |  |

#### Fixed-income book well balanced

### Geographical allocation mainly in accordance with our business diversification

|  | Governments | Semi-<br>governments | Corporates | Pfandbriefe,<br>Covered bonds,<br>ABS | Short-term investments, cash | Total  |
|--|-------------|----------------------|------------|---------------------------------------|------------------------------|--------|
| AAA  | 75.1%       | 65.0%                | 1.1%       | 62.8%                                 | -                            | 45.8%  |
| AA   | 13.6%       | 23.3%                | 12.8%      | 14.3%                                 | -                            | 15.3%  |
| A  | 5.9%        | 6.3%                 | 32.6%      | 7.2%                                  | -                            | 15.5%  |
| BBB  | 2.6%        | 1.4%                 | 44.4%      | 10.5%                                 | -                            | 17.9%  |
| <bbb< td=""><td>2.8%</td><td>4.1%</td><td>9.2%</td><td>5.2%</td><td>-</td><td>5.6%</td></bbb<> | 2.8%        | 4.1%                 | 9.2%       | 5.2%                                  | -                            | 5.6%   |
| Total  | 100.0%      | 100.0%               | 100.0%     | 100.0%                                | -                            | 100.0% |
| Germany  | 10.7%       | 48.6%                | 4.0%       | 24.8%                                 | 31.0%                        | 17.9%  |
| UK   | 9.6%        | 2.4%                 | 8.5%       | 9.9%                                  | 7.9%                         | 7.8%   |
| France   | 1.3%        | 1.4%                 | 8.0%       | 5.6%                                  | 0.6%                         | 3.9%   |
| GIIPS  | 1.2%        | 1.0%                 | 4.6%       | 4.4%                                  | 0.0%                         | 2.5%   |
| Rest of Europe   | 3.5%        | 14.3%                | 16.3%      | 24.0%                                 | 2.5%                         | 11.7%  |
| USA  | 58.0%       | 7.2%                 | 34.8%      | 8.7%                                  | 11.6%                        | 33.8%  |
| Australia  | 4.2%        | 7.7%                 | 8.1%       | 10.5%                                 | 8.1%                         | 6.9%   |
| Asia   | 6.6%        | 5.8%                 | 5.2%       | 0.2%                                  | 21.9%                        | 6.2%   |
| Rest of World  | 4.9%        | 11.6%                | 10.5%      | 12.1%                                 | 16.3%                        | 9.3%   |
| Total  | 100.0%      | 100.0%               | 100.0%     | 100.0%                                | 100.0%                       | 100.0% |
| Total b/s values in m. EUR   | 12,101      | 6,851                | 12,095     | 3,238                                 | 1,794                        | 36,080 |

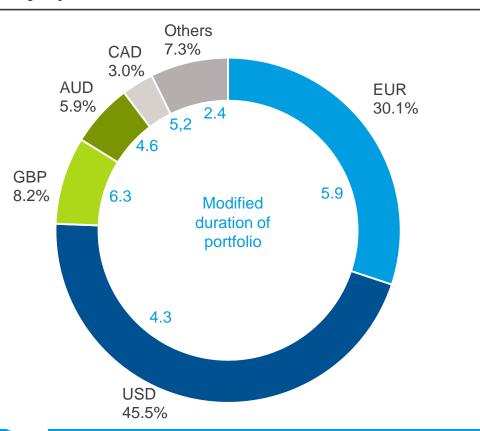
IFRS figures as at 31 December 2017



# Currency allocation matches liability profile of balance sheet

### **Duration-neutral strategy applied**

#### **Currency split of investments**



- Modified duration of fixedincome mainly congruent with liabilities
- GBP's higher modified duration predominantly due to life business

#### **Modified duration**

| 2016 | 5.0 |
|------|-----|
| 2015 | 4.4 |
| 2014 | 4.6 |
| 2013 | 4.4 |
| 2012 | 4.5 |
|      |     |

Modified duration as at 31 December 2017: 4.8



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