

somewhat
different



Hannover Re: the somewhat different reinsurer

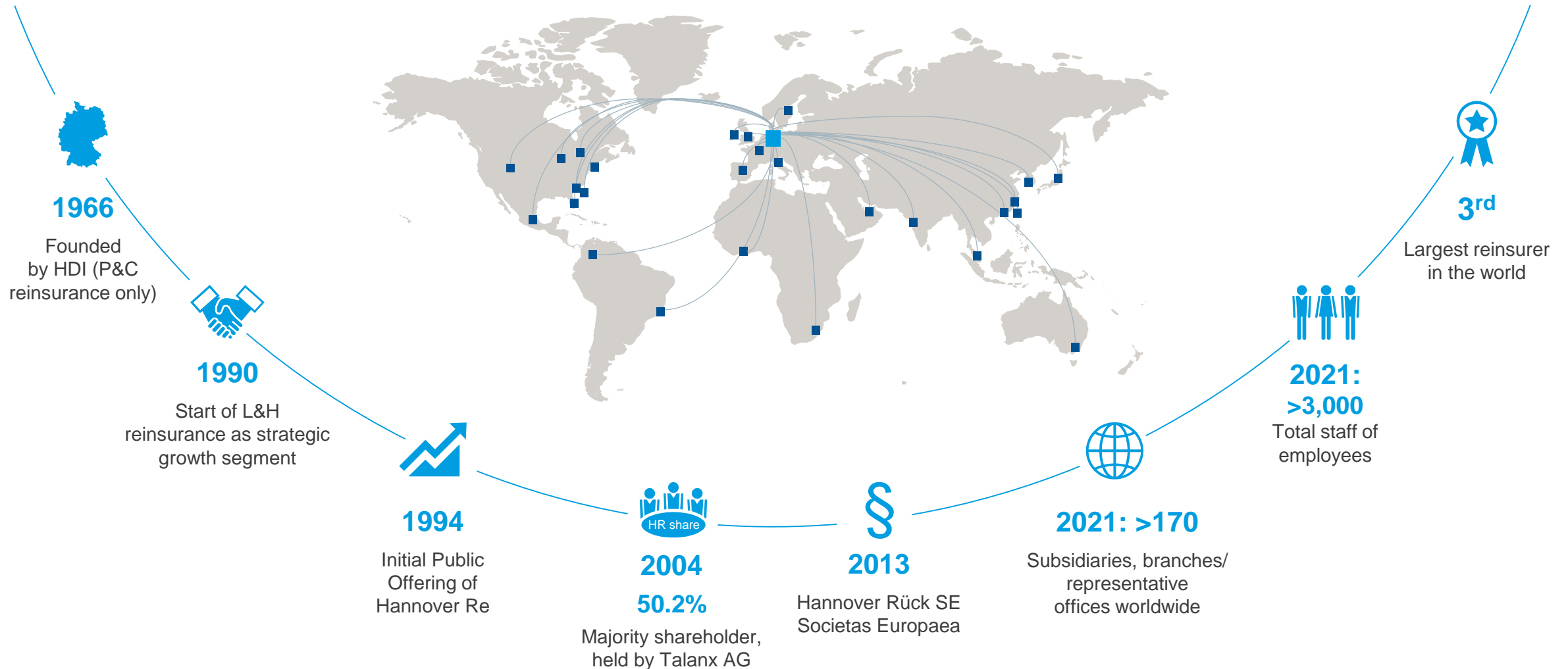
April 2022

hannover **re**[®]

Agenda

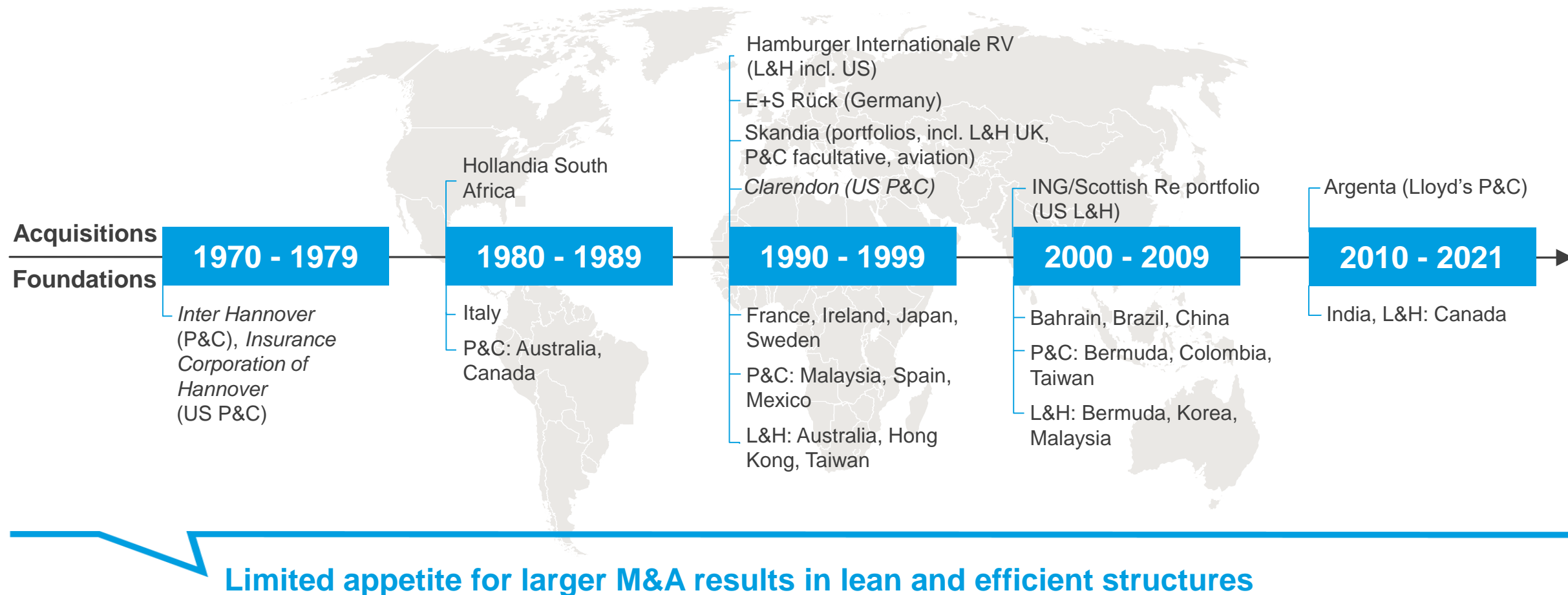
1	Hannover Re Group	2
2	Property & Casualty reinsurance	33
3	Life & Health reinsurance	47
4	Investment management	61
5	Capital management	68
6	Annual results 2021	79
7	Outlook	89
	<i>Appendix</i>	93

Key facts about Hannover Re



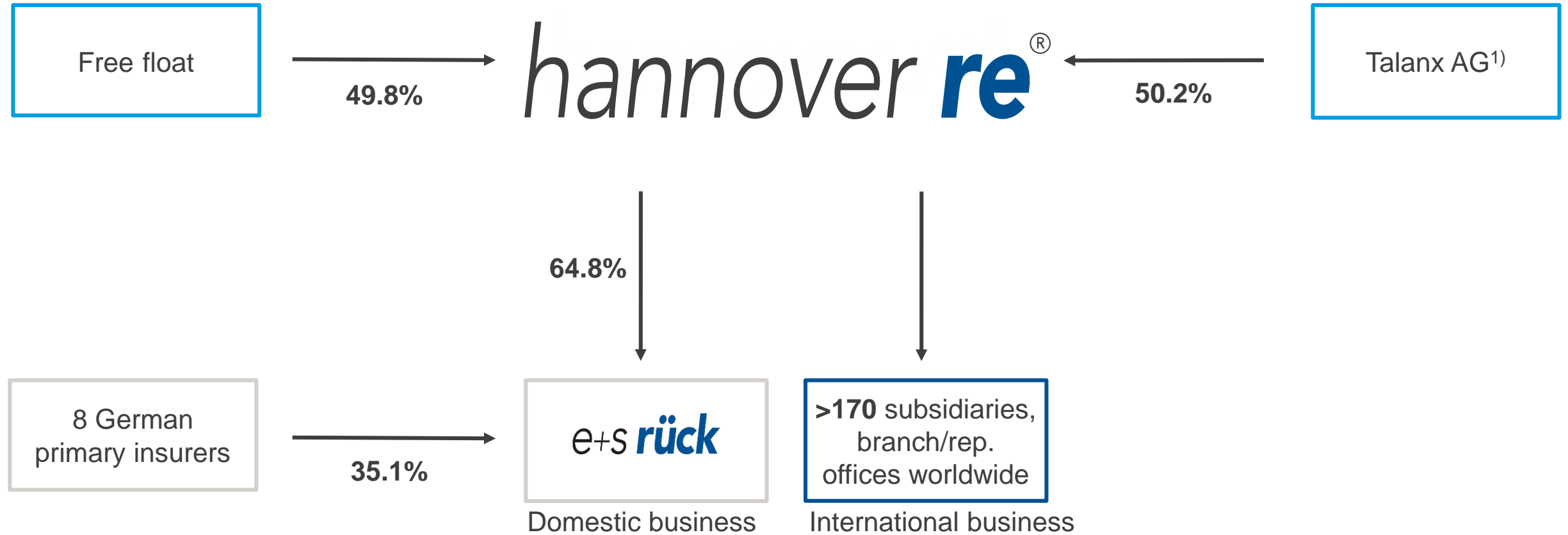
Growth and international expansion mainly organically driven

M&A activity not accompanied by high integration cost and complexity



Overview of main/material transactions (and main parts of acquisitions) without e.g. minority shareholdings
 All lines of business except those stated separately
italic = (at least in part) sold

Group structure supports our business model



1) Majority shareholder HDI V.a.G.

Executive Board of Hannover Rück SE



Chief Executive Officer

Jean-Jacques Henchoz

Compliance, Controlling, Innovation Management, Human Resources Management, Group Auditing, Risk Management, Group Operations & Strategy, Corporate Communications



Chief Financial Officer

Clemens Jungsthöfel

Reinsurance Accounting and Valuation, Group Finance, Investment and Collateral Management, Investor & Rating Agency Relations



Dr. Michael Pickel

APAC & Middle East, Germany, Switzerland, Austria, Italy, Latin America, Iberian Peninsula and Agricultural Risks, Group Legal Services, Run Off Solutions



Sven Althoff

North America, Aviation and Marine, Credit, Surety and Political Risks, UK, Ireland and London Market, Facultative R/I, Coordination of Property & Casualty Business Group, Quotations



Silke Sehm

Continental Europe and Africa, Catastrophe XL (Cat XL), Structured R/I and ILS, Retrocessions



Claude Chèvre

Africa, Asia, Australia/ New Zealand, Latin America, Western and Southern Europe, Longevity Solutions



Dr. Klaus Miller

North America, United Kingdom/ Ireland, Northern, Eastern and Central Europe

We are among the top reinsurers in the world

Premium ranking 2020 in m. USD

Rank Group	Country	GWP	NPW
1 Munich Re	DE	45,846	43,096
2 Swiss Re	CH	36,579	34,293
3 Hannover Re¹⁾	DE	30,421	26,232
4 SCOR	FR	20,106	17,910
5 Berkshire Hathaway Inc.	US	19,195	19,195
6 China Re	CN	16,665	15,453
7 Lloyd's ²⁾	UK	16,511	12,213
8 Canada Life Re	CA	14,552	14,497
9 RGA	US	12,583	11,694
10 Korean Re	KR	7,777	5,432
11 Everest Re	BM	7,282	6,768
12 PartnerRe	BM	6,876	6,301
13 General Insurance Corporation of India ³⁾	IN	6,481	5,773
14 RenaissanceRe	BM	5,806	4,096
15 AXA XL	US	5,326	4,201

For further information please see A. M. Best "Market Segment Report" September 2021 (© A.M. Best Europe - Information Services Ltd. - used by permission)

1) Net premium written data not reported; net premium earned substituted

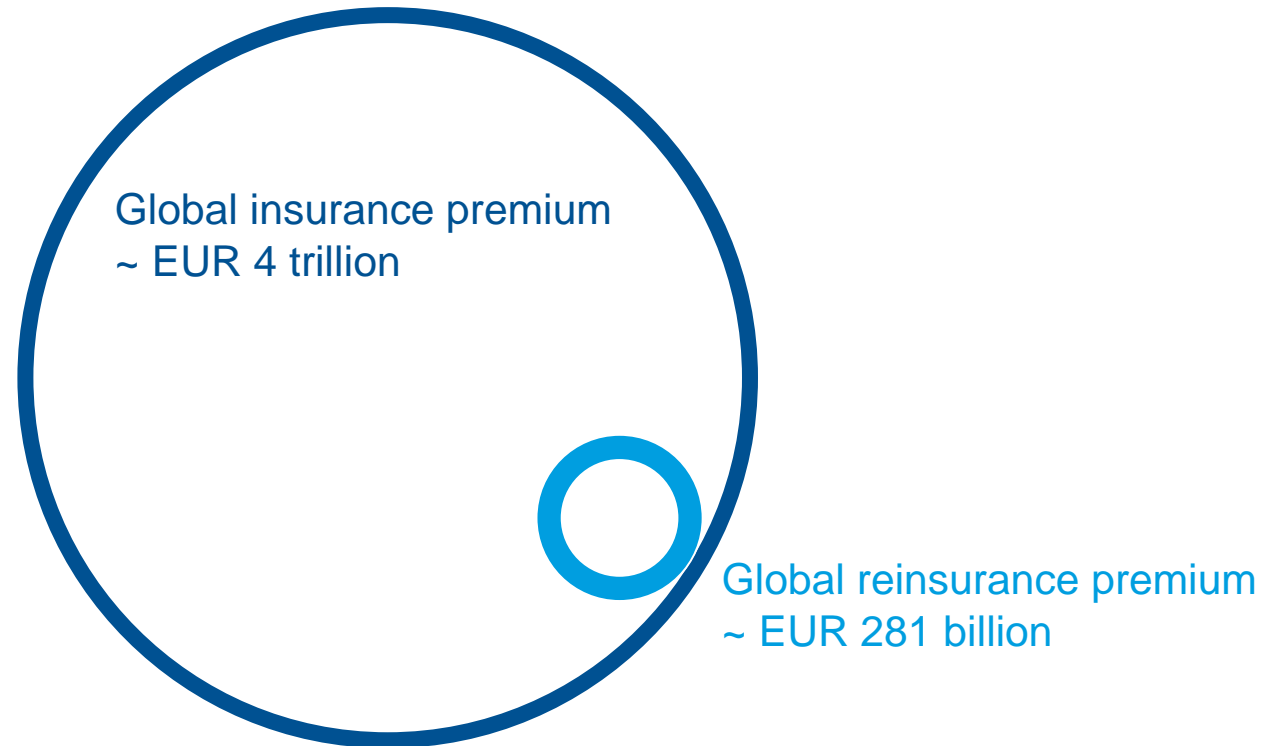
2) Reinsurance only

3) Fiscal year-end 31 March 2021

Reinsurance has the character of a specialty market

With a share of 7% of the overall insurance market

Market size primary insurance vs. reinsurance



2020 or latest. Global reinsurance premium: gross written premium of the Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (September 2021)
Source: © A.M. Best Europe - Information Services Ltd. - used by permission, own research

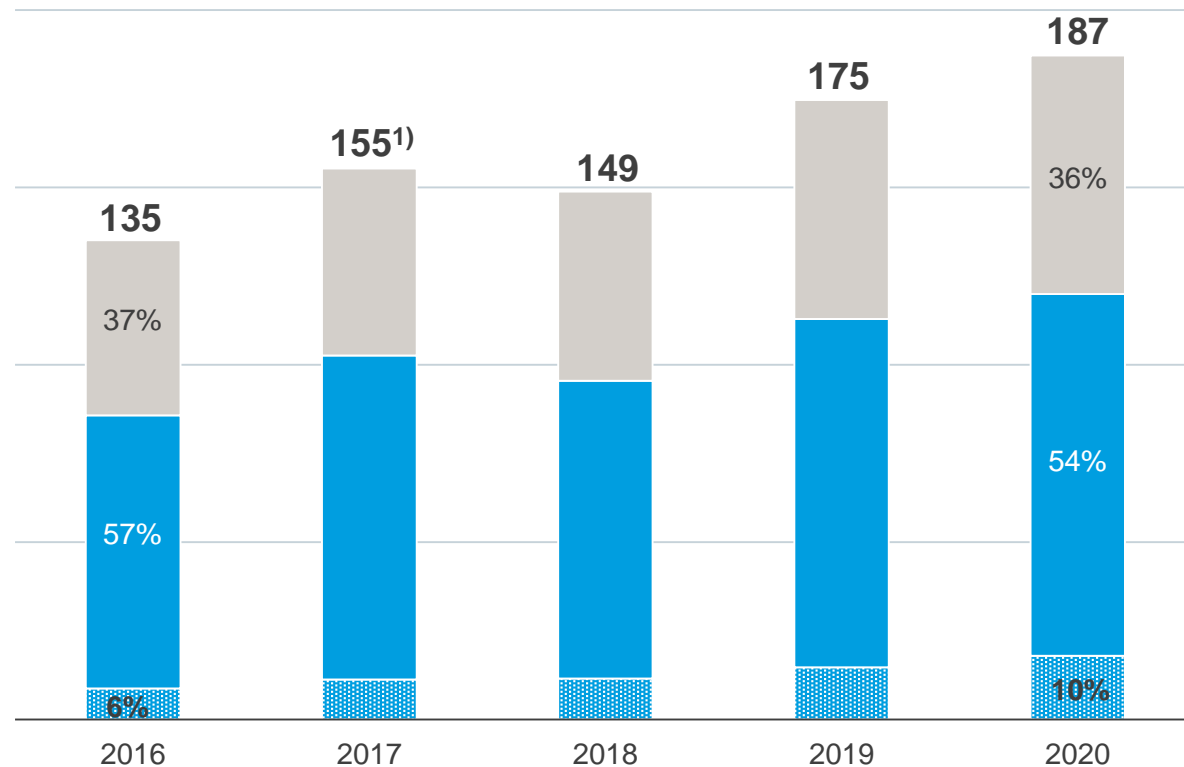
Growing Property and Casualty reinsurance market

Hannover Re outperforms the market

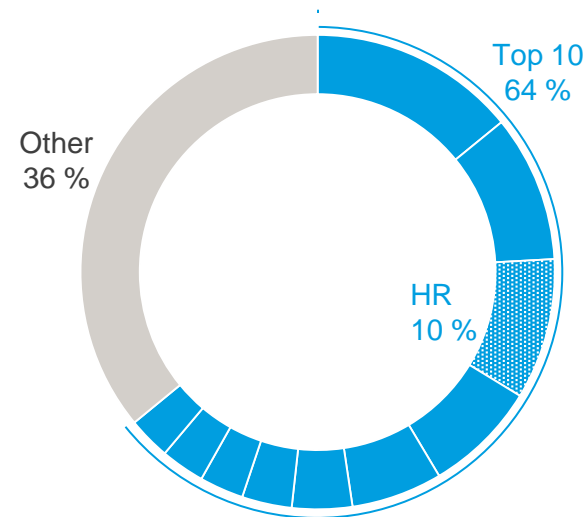
Market size and concentration 2020

in bn. EUR

■ Hannover Re ■ Top 10 ■ Other



Market share 2020



- Low market entry barriers lead to high fragmentation

4-year CAGR

Market	+8.5%	Top 10	+8.8%
Other	+8.0%	HR	+19.5%

Market: Sum of Non-life GWP of Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (Sept 2021)

Top 10 in 2020: Munich Re, Swiss Re, Hannover Re, Lloyd's, Berkshire Hathaway, SCOR, Everest Re, Korean Re, China Re, General Insurance Corporation of India

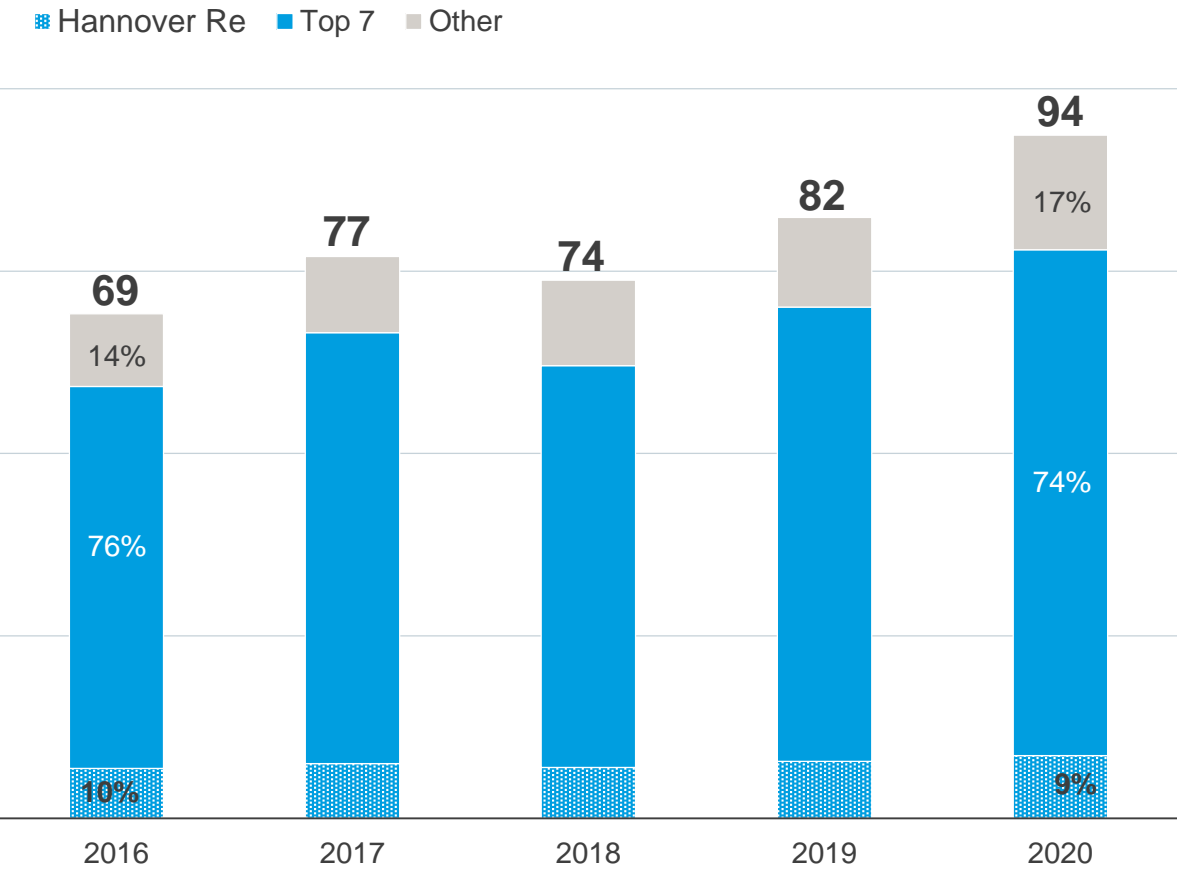
Source: © A.M. Best Europe - Information Services Ltd. - used by permission

1) Includes one-off Berkshire Hathaway AIG transaction

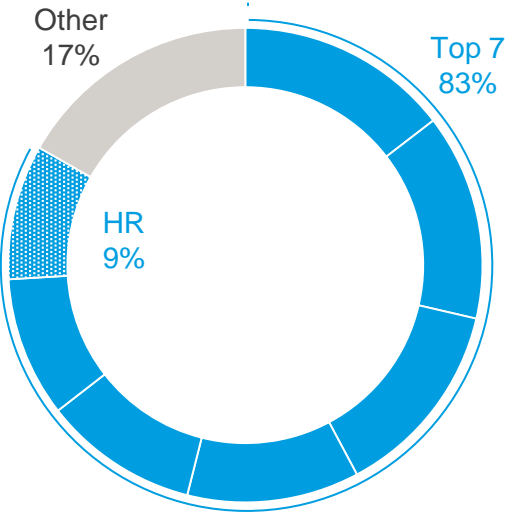
Life and Health reinsurance in a global perspective

Concentrated market due to high entry barriers

Market size and concentration 2020 in bn. EUR



Market share 2020



- High market entry barriers lead to a highly concentrated market

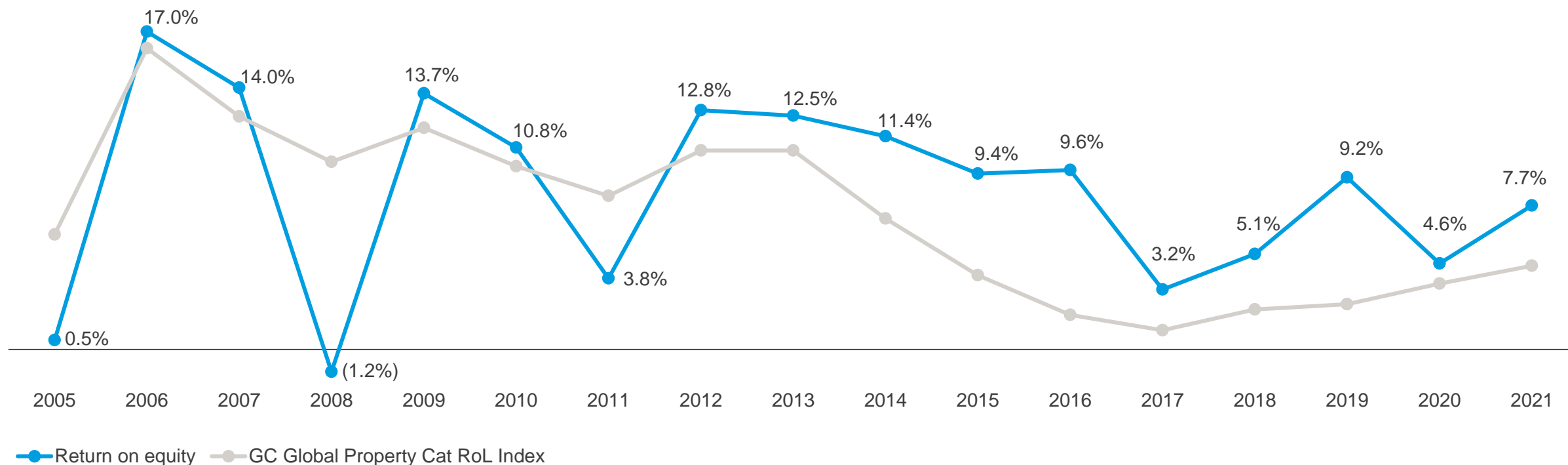
4-year CAGR

Market	+7.9%	Top 7	+7.1%
Other	+12.0%	HR	+5.9%

Market: Sum of Life GWP of Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (Sept 2021)
Top 7 in 2020: Munich Re, Swiss Re, Canada Life Re, RGA, SCOR, China Re, Hannover Re
Source: © A.M. Best Europe - Information Services Ltd. - used by permission

Reinsurance industry returns in recent years highlight the need for further improvements in reinsurance pricing

Development of return on equity and Guy Carpenter Global Property Cat RoL Index

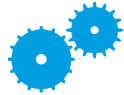


Source: Artemis GC RoL Index
Return on equity based on company data (Top 10 of the Global Reinsurance Index (GloRe) with more than 50% reinsurance business 2005 - 2021), own calculation

Reinsurance is and will be an attractive product

Drivers for reinsurance demand

Drivers



Global trends

- Value concentration
- Protection gap
- Demographic change

New products/markets

- Emerging markets
- Digitalisation/Cyber
- Emerging risks

Capital requirement

- Regulatory changes
- Risk-based capital models
- Ratings, local GAAP, IFRS

Volatile earnings

- Expectations of shareholders, regulators and rating agencies

Impact on insurance



- Increasing demand for insurance of non-diversifying risks
- New risks lead to higher volatility and need for additional know-how
- High cost of capital/need for capital management

Value proposition R/I



- Strong capital base
- Diversification
- Expertise in risk management
- Support and expertise in product development and pricing
- Optimising capital requirements
- Reducing cost of capital
- Managing earnings volatility
- Support in distributing products in new markets

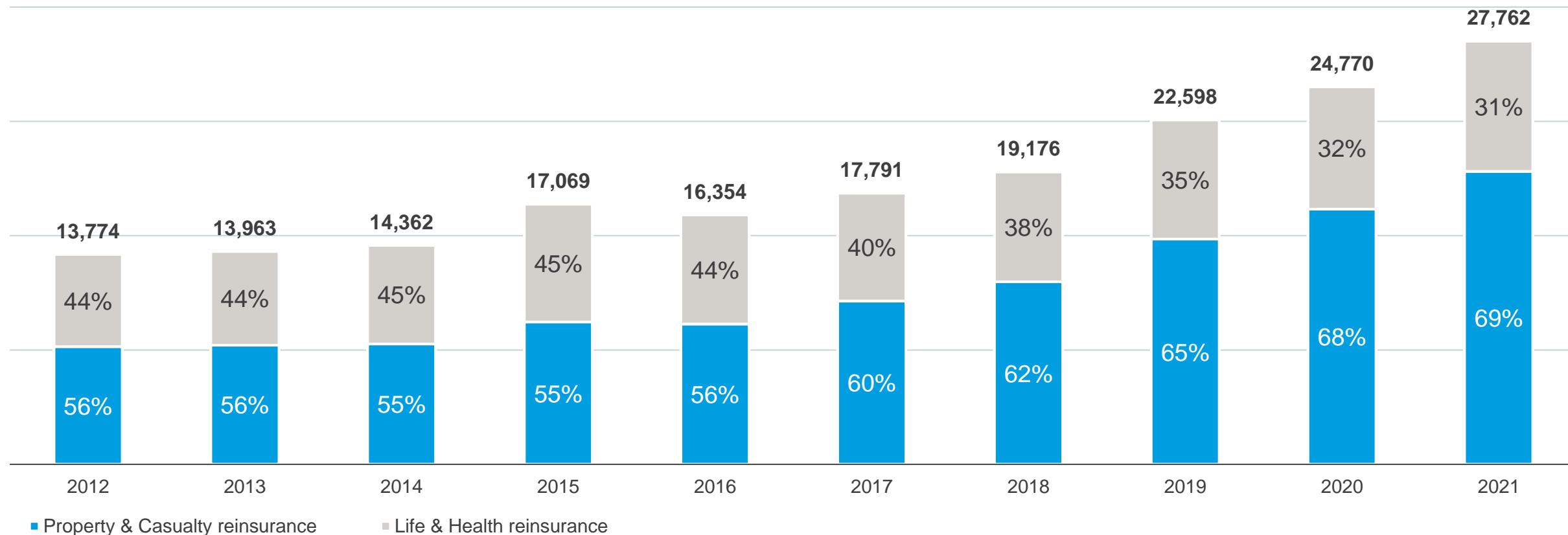
Demand for reinsurance

Favourable premium growth accelerates in last 4 years

10-year CAGR: +8.7%

Gross written premium

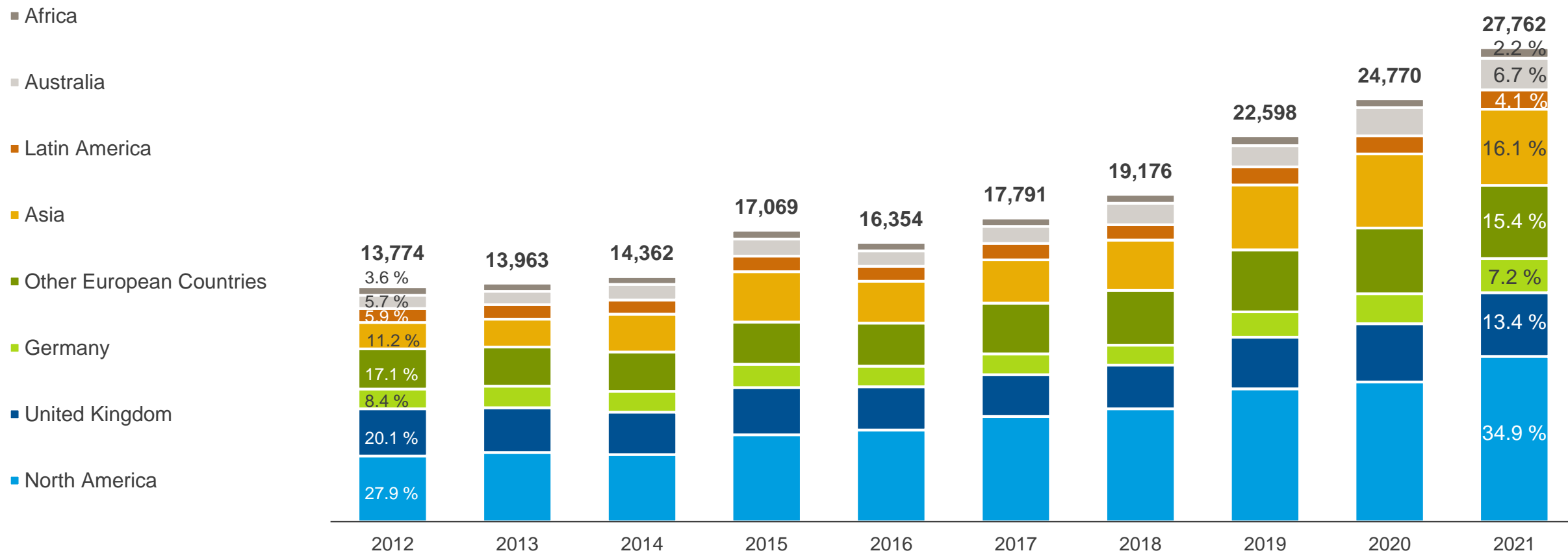
in m. EUR



Well-balanced international portfolio growth

Gross written premium

in m. EUR

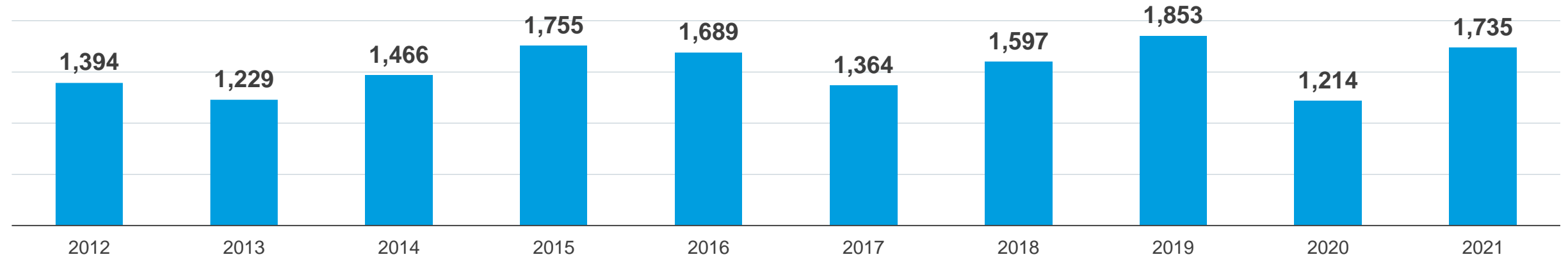


Strong earnings track record

2021: strong results despite high large losses and Covid-19 impact in L&H

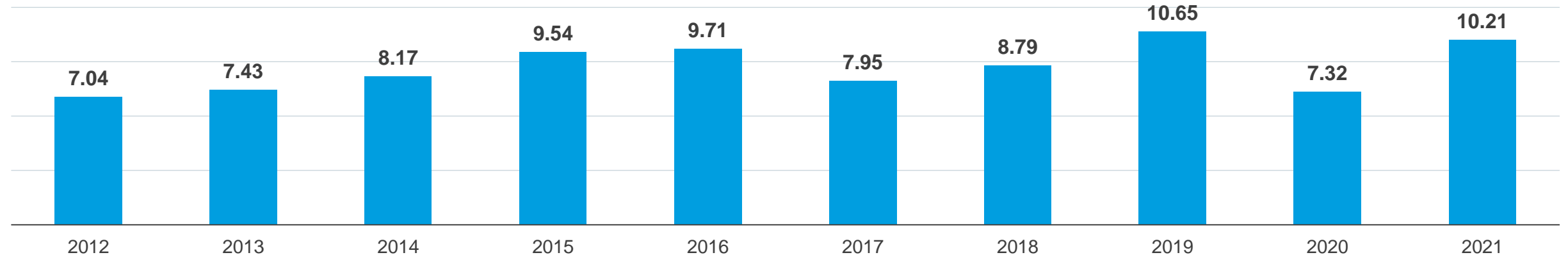
Operating profit (EBIT)

in m. EUR



Earnings per share (EPS)

in EUR

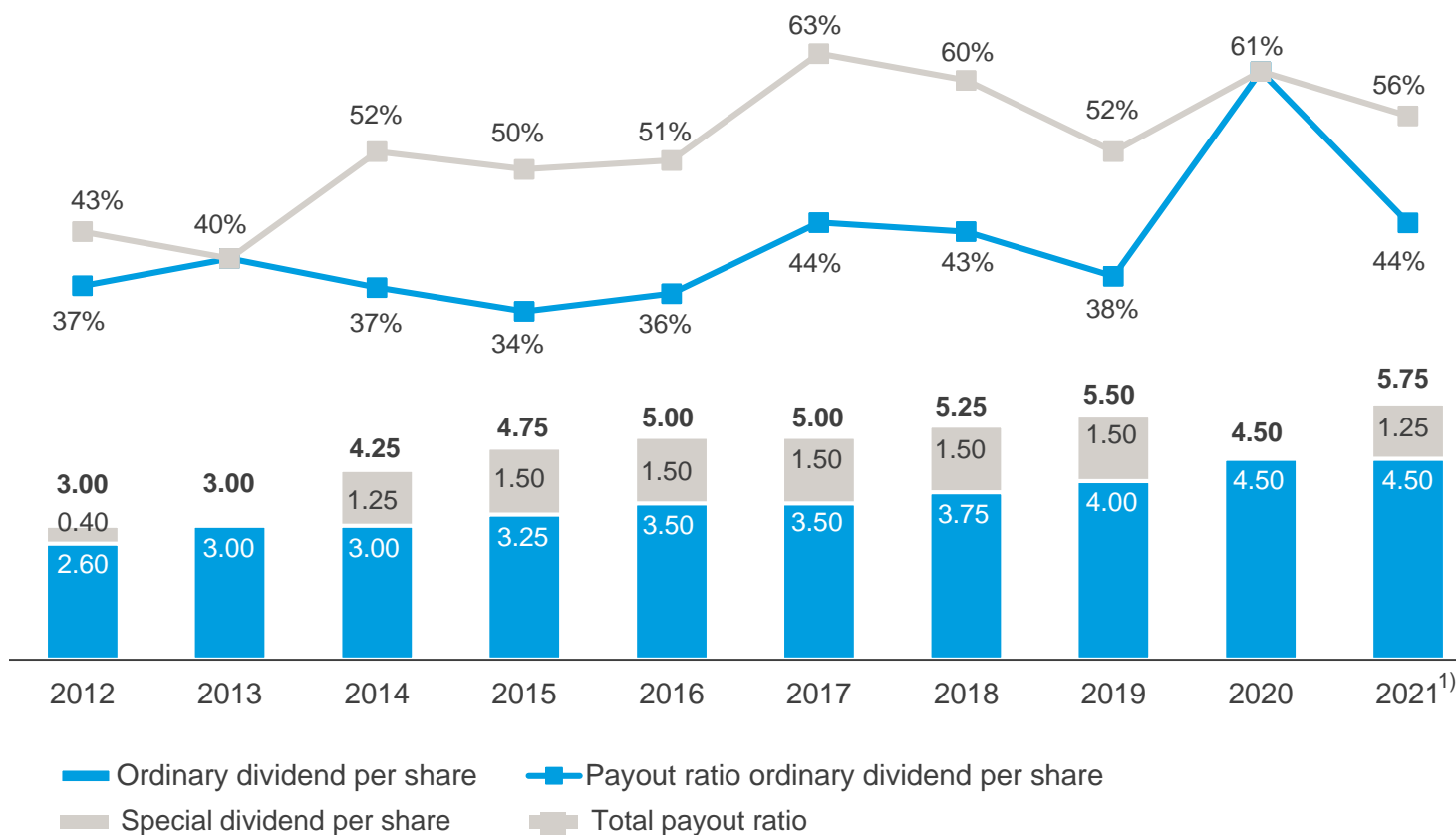


Stronger emphasis on continuity of ordinary dividend distribution

Continued use of special dividend for efficient and flexible capital management

Dividend per share

in EUR



Dividend strategy changed in 2021

Ordinary DPS \geq prior year

+

Special dividend

if capitalisation exceeds capital requirements for future growth and profit targets are achieved

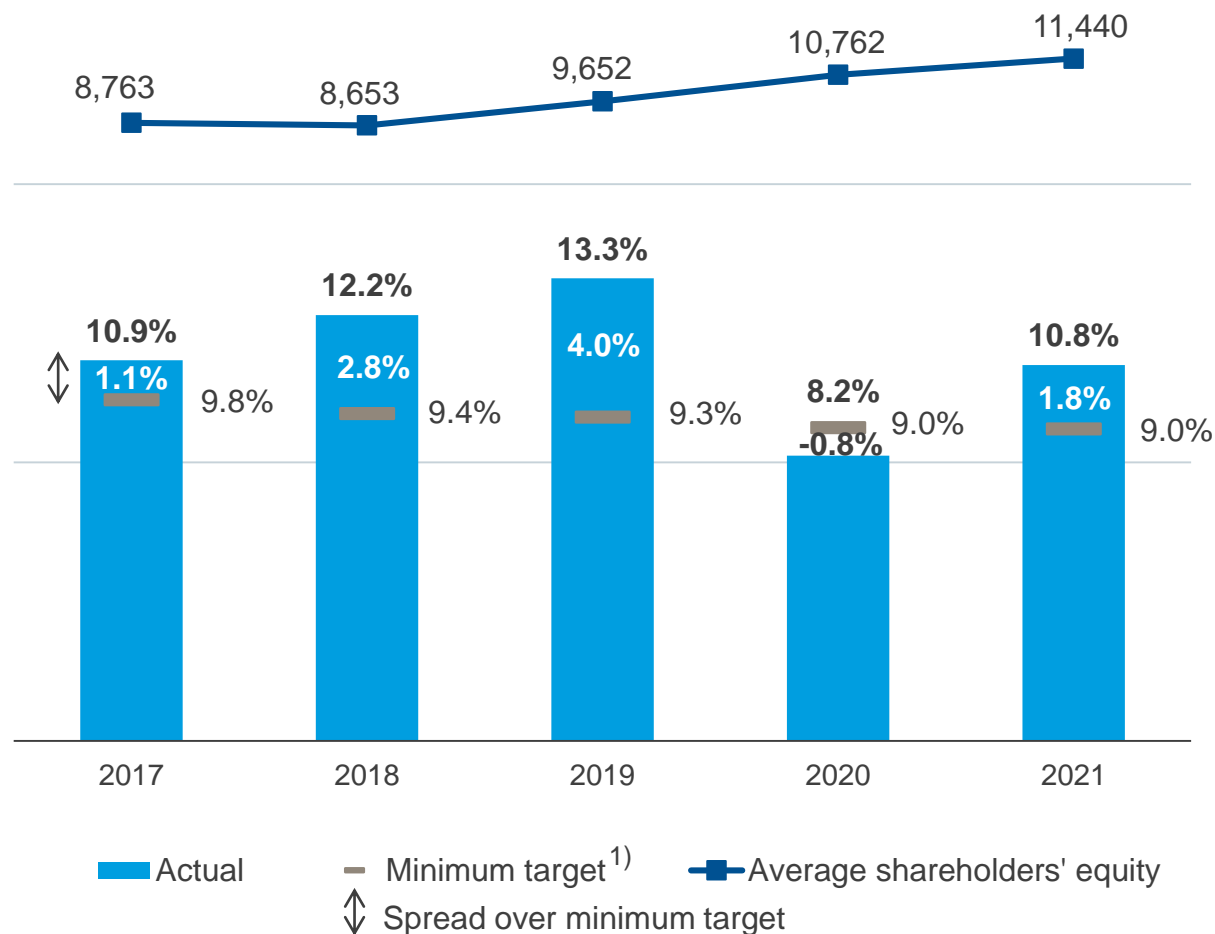
- ➔ Continuity of ordinary dividend now more explicit
- ➔ Payout ratio target discontinued

1) subject to consent of AGM

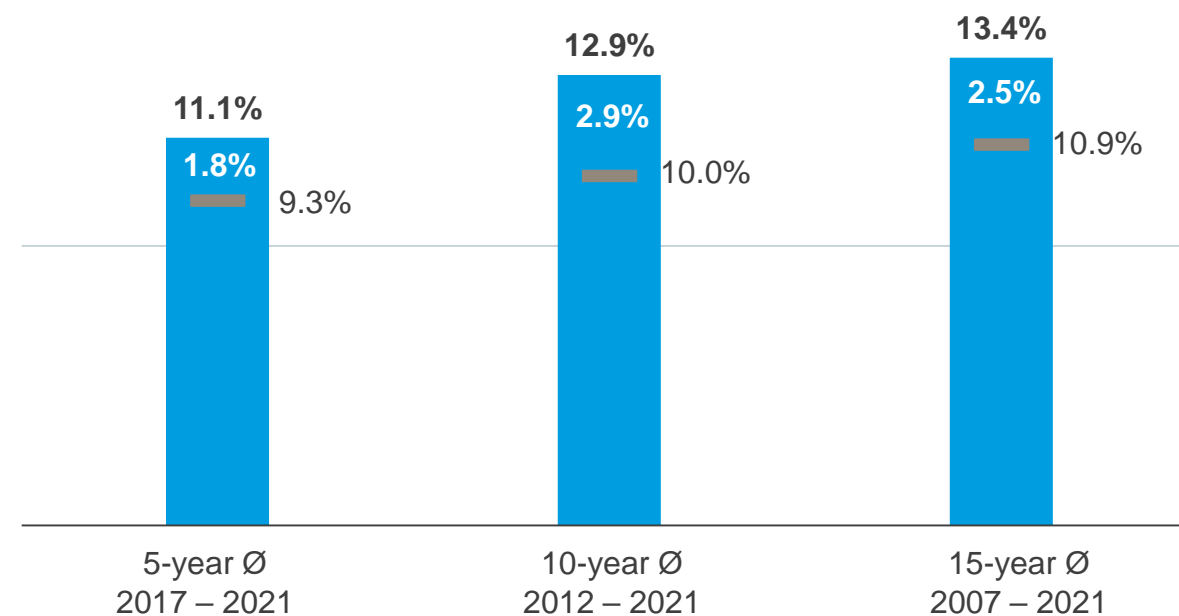
RoE of 10.8% well above target for 2021

5Y-average RoE of 11.1% is highly satisfactory despite exceptional loss burden

Return on Equity: yearly



Return on Equity: average



1) After tax; target: 900 bps above 5-year rolling average of 10-year German government bond rate ("risk free")

Hannover Re is one of the most profitable reinsurers

No. 1 position on 5-year average RoE - significantly above peer average

Company	2017		2018		2019		2020		2021		2017 - 2021	
	RoE	Rank	RoE	Rank	RoE	Rank	RoE	Rank	RoE	Rank	avg. RoE	Rank
Hannover Re	10.9%	2	12.2%	1	13.3%	1	8.2%	2	10.8%	3	11.1%	1
Peer 6, US, Life & Health	21.9%	1	7.9%	3	8.7%	6	3.2%	8	4.5%	8	9.2%	2
Peer 5, Bermuda, Property & Casualty	5.7%	5	1.3%	9	11.9%	3	5.5%	5	13.9%	1	7.6%	3
Peer 1, Germany, Composite	1.3%	7	8.5%	2	9.6%	5	4.0%	6	9.7%	4	6.6%	4
Peer 10, Korea, Composite	6.2%	4	4.7%	6	8.1%	7	6.1%	4	7.1%	6	6.4%	5
Peer 8, France, Composite	4.4%	6	5.4%	4	6.9%	9	3.7%	7	7.3%	5	5.6%	6
Peer 4, US, Property & Casualty	1.1%	8	0.5%	10	10.4%	4	1.2%	9	11.5%	2	4.9%	7
Peer 7, Bermuda, Property & Casualty	-5.3%	10	4.2%	7	12.9%	2	10.8%	1	-1.0%	9	4.3%	8
Peer 2, Switzerland, Composite	1.0%	9	1.4%	8	2.5%	10	-3.1%	10	5.7%	7	1.5%	9
Peer 9, China, Composite	7.2%	3	4.9%	5	7.3%	8	6.3%	3	n.a.	n.a.	n.a.	n.a.
Average	5.4%		5.1%		9.2%		4.6%		7.7%		6.4%	

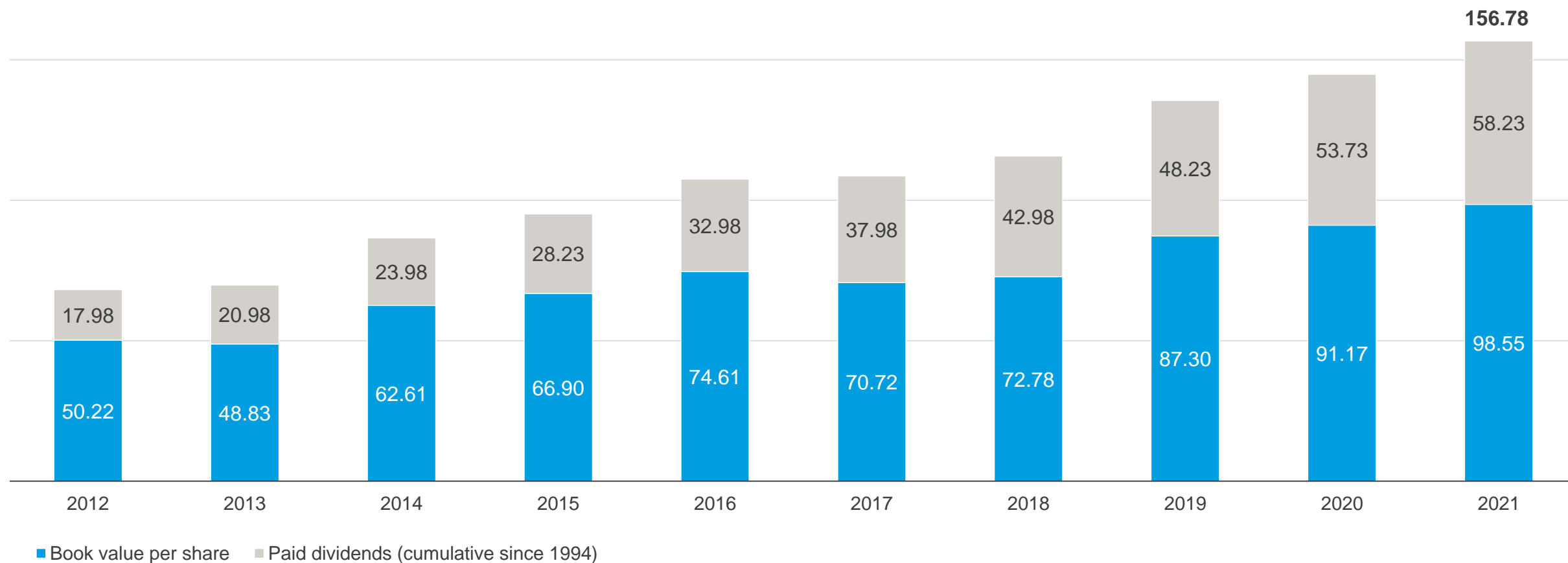
List shows the Top 10 of the Global Reinsurance Index (GloRe)
RoE based on company data, own calculation

Continuous increase of value creation

10-year CAGR: +10.6%

Book value and accumulated paid dividends

in EUR

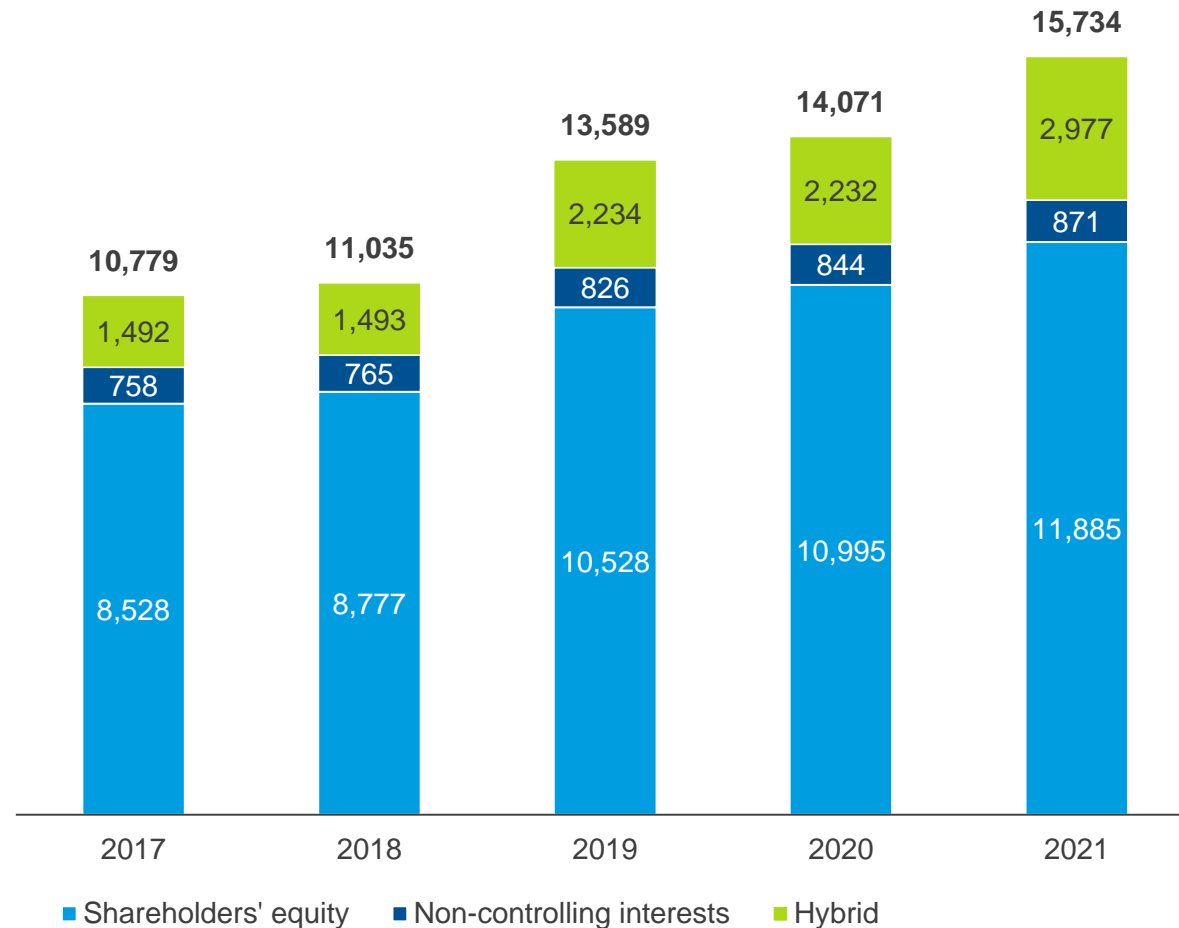


Shareholders' equity up by 8.1%

Policyholders' surplus increased by 46% since 2017

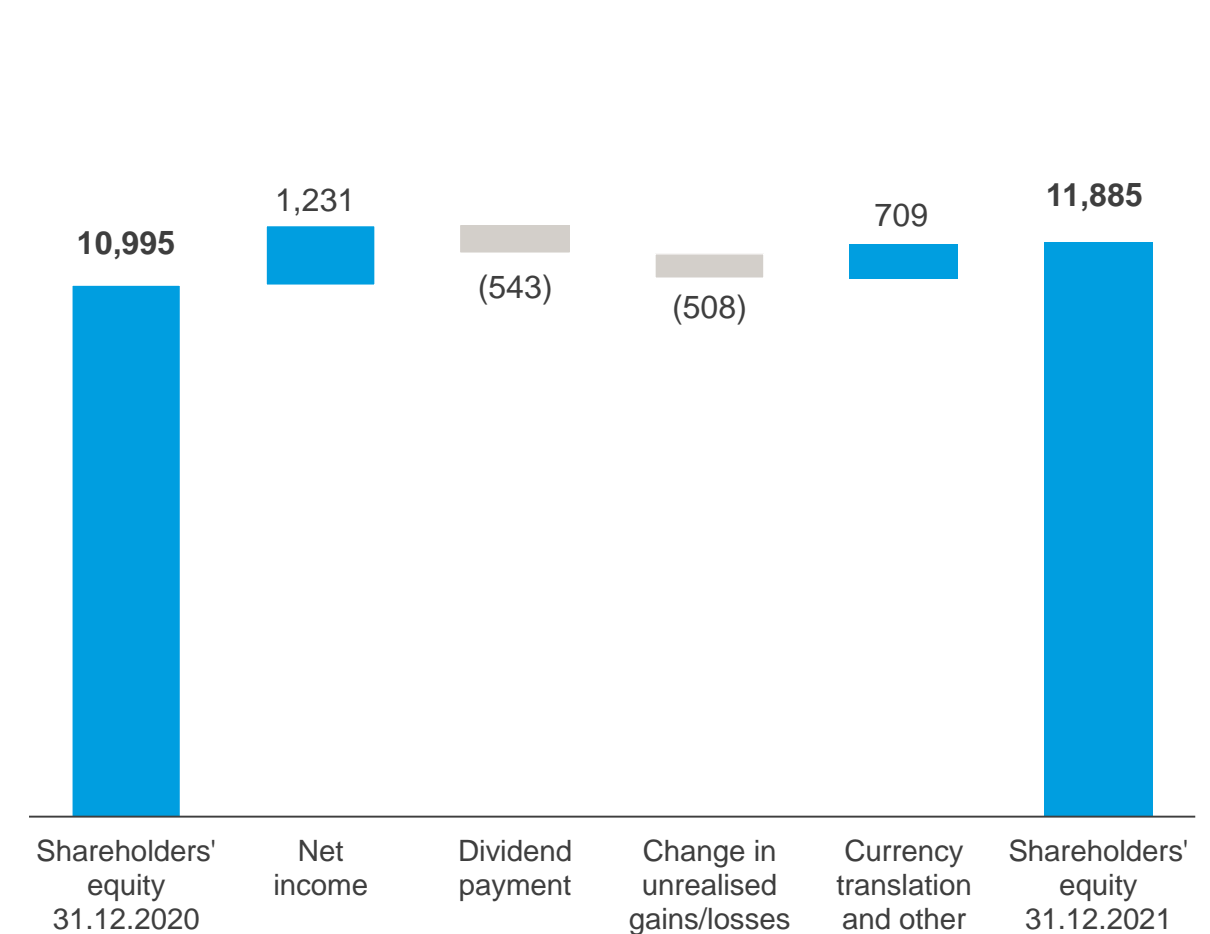
Policyholders' surplus

in m. EUR



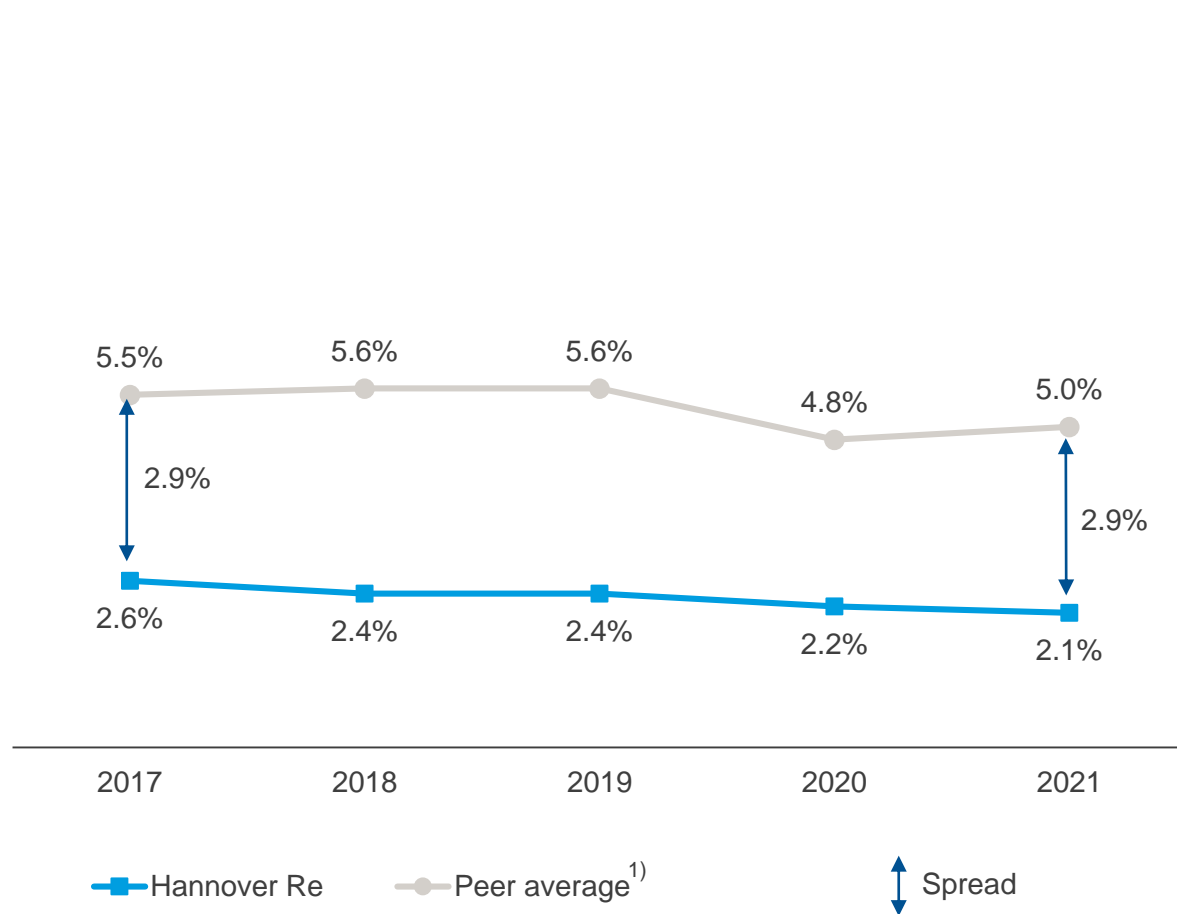
Change in shareholders' equity

in m. EUR



Low expense ratio is an important competitive advantage

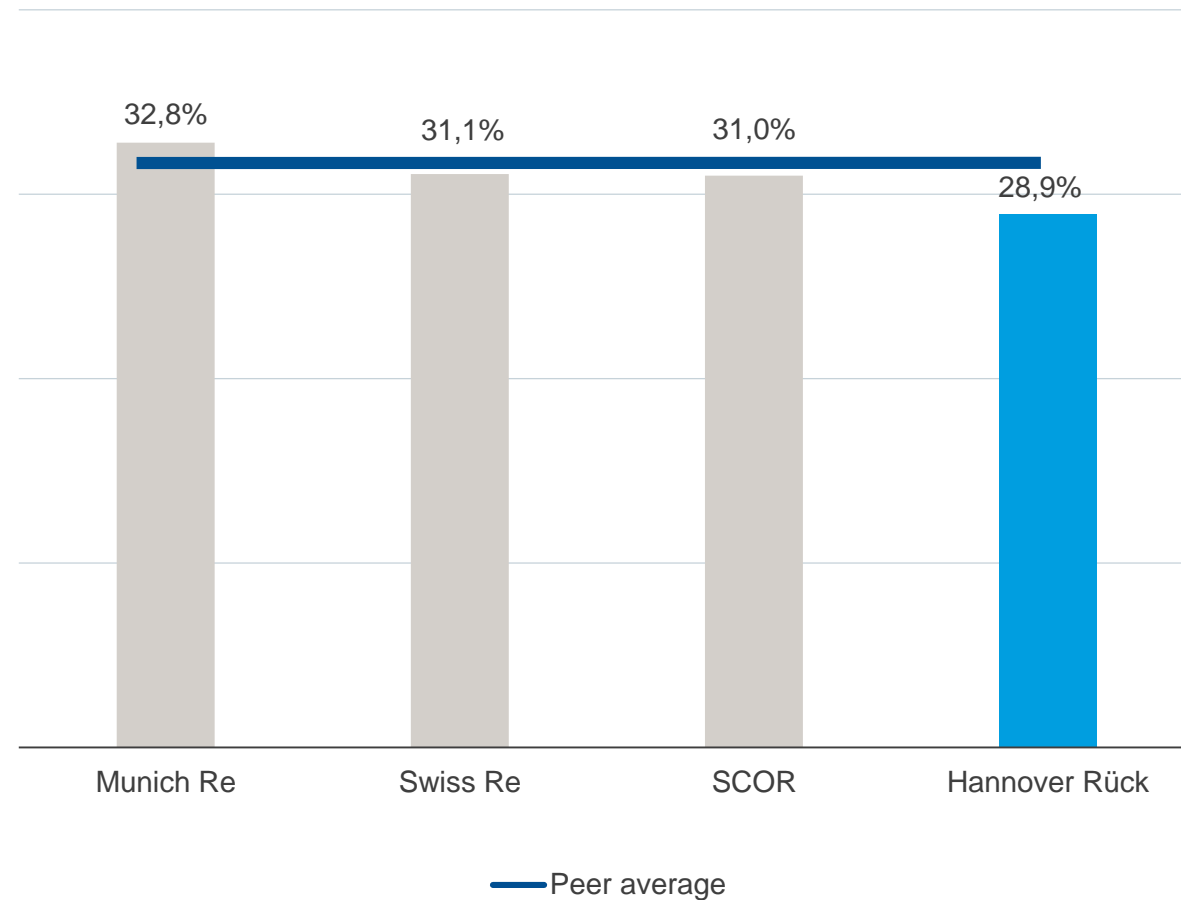
Administrative expense ratio



1) Peers: Munich Re, Swiss Re, SCOR; own calculation

Expense ratio (P&C reinsurance)

5-year average



Purpose & Values

The “why” and the “how” articulate our distinctive corporate culture

Our self-conception



Our values



Purpose

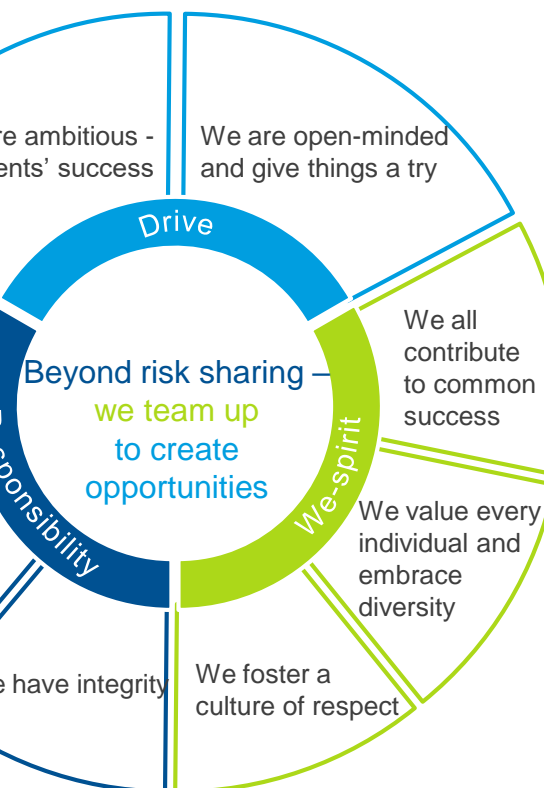
Why do we do what we do?

**Beyond risk sharing –
we team up
to create opportunities**

Strategy

What do we want to achieve?

Core values
Which guiding principles are important for us?

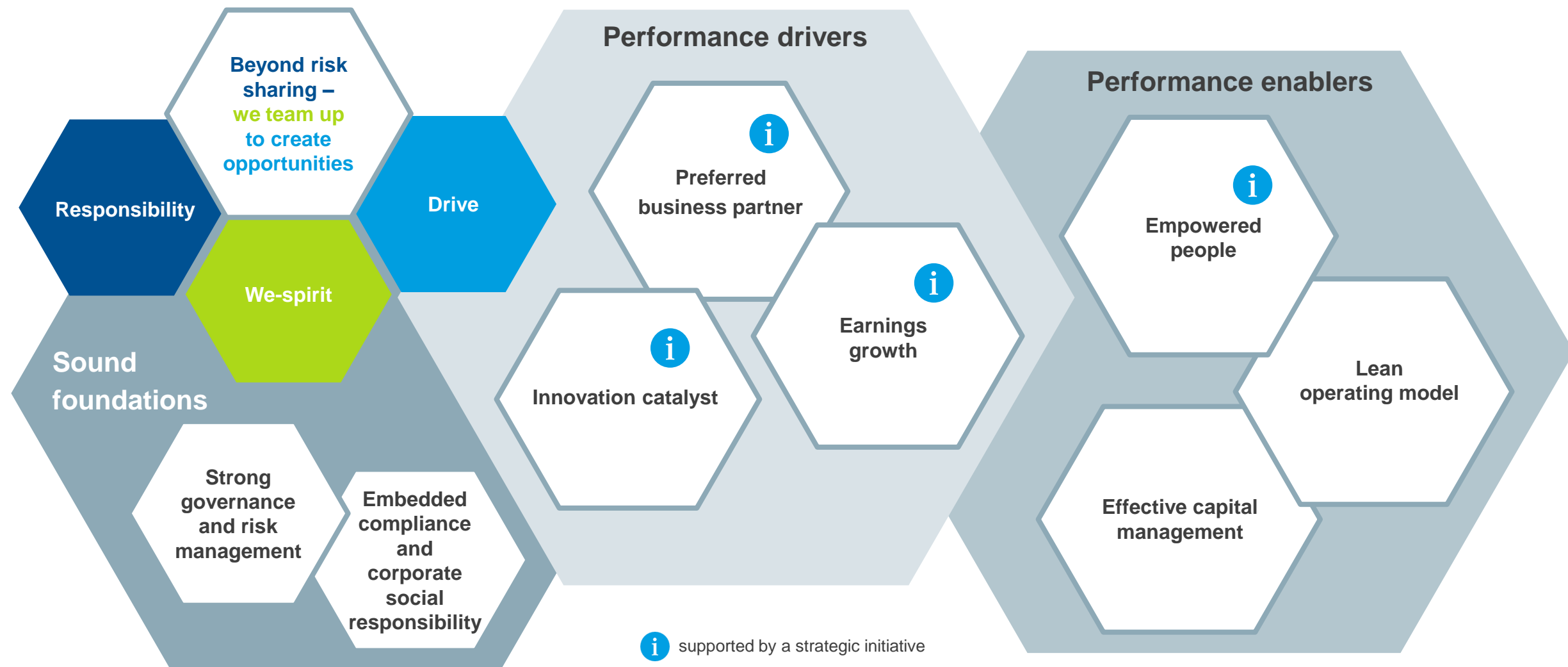


Our competitive strengths lie in our corporate culture and operating model and lead to higher profitability with lower volatility



Striving for sustainable outperformance

Group strategy 2021 - 2023



Target Matrix

Strategy cycle 2021 - 2023

Business group	Key figures	Strategic targets
Group	Return on equity ¹⁾	900 bps above risk-free
	Solvency ratio ²⁾	≥ 200%
Property & Casualty reinsurance	Gross premium growth ³⁾	≥ 5%
	EBIT growth ⁴⁾	≥ 5%
	Combined ratio	≤ 96%
	xRoCA ⁵⁾	≥ 2%
Life & Health reinsurance	Gross premium growth ³⁾	≥ 3%
	EBIT growth ⁴⁾	≥ 5%
	Value of New Business (VNB) ⁶⁾	≥ EUR 250 m.
	xRoCA ⁵⁾	≥ 2%

1) After tax; risk-free: 5-year average return of 10-year German government bonds

3) Average annual growth at constant f/x rates

5) Excess return (one-year economic profit in excess of the cost of capital) on allocated economic capital

2) According to our internal capital model and Solvency II requirements

4) Average annual growth

6) Based on Solvency II principles; pre-tax reporting

Sustainability at Hannover Re

How we evolved

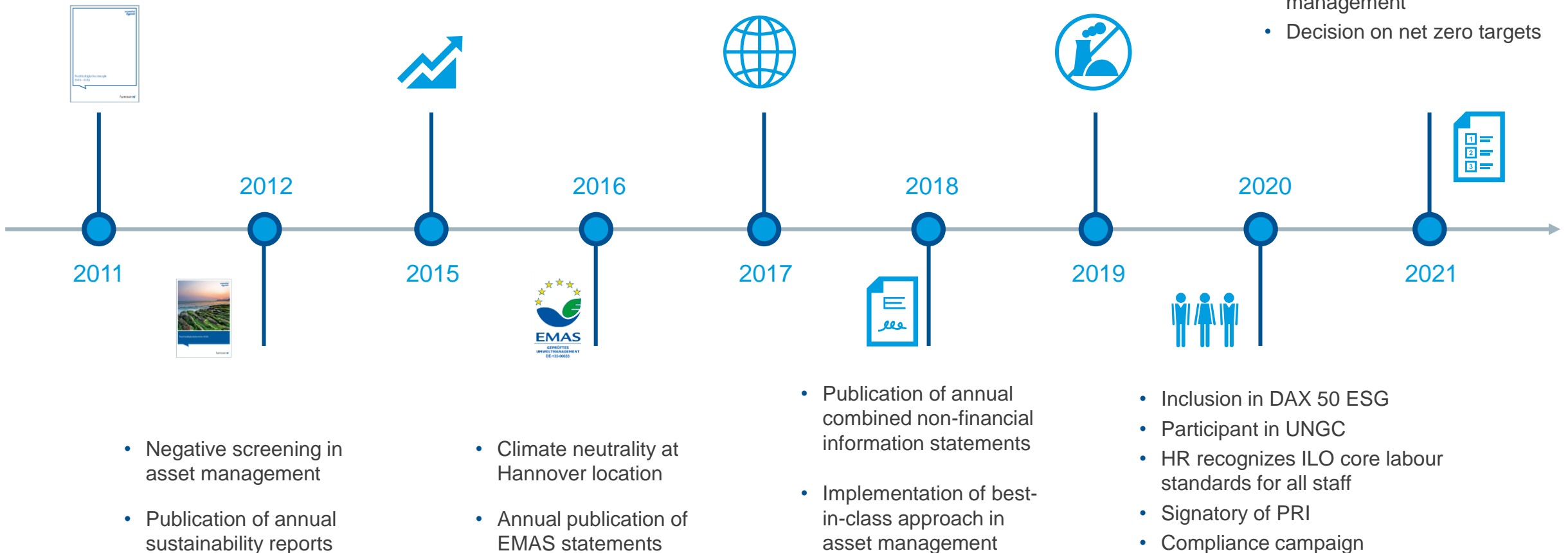
- Publication of first sustainability strategy
- Investor dialogues

- Listed in FTSE4Good-Index

- Listed in Global Challenges index

- Phased exit for any coal based risks until 2038

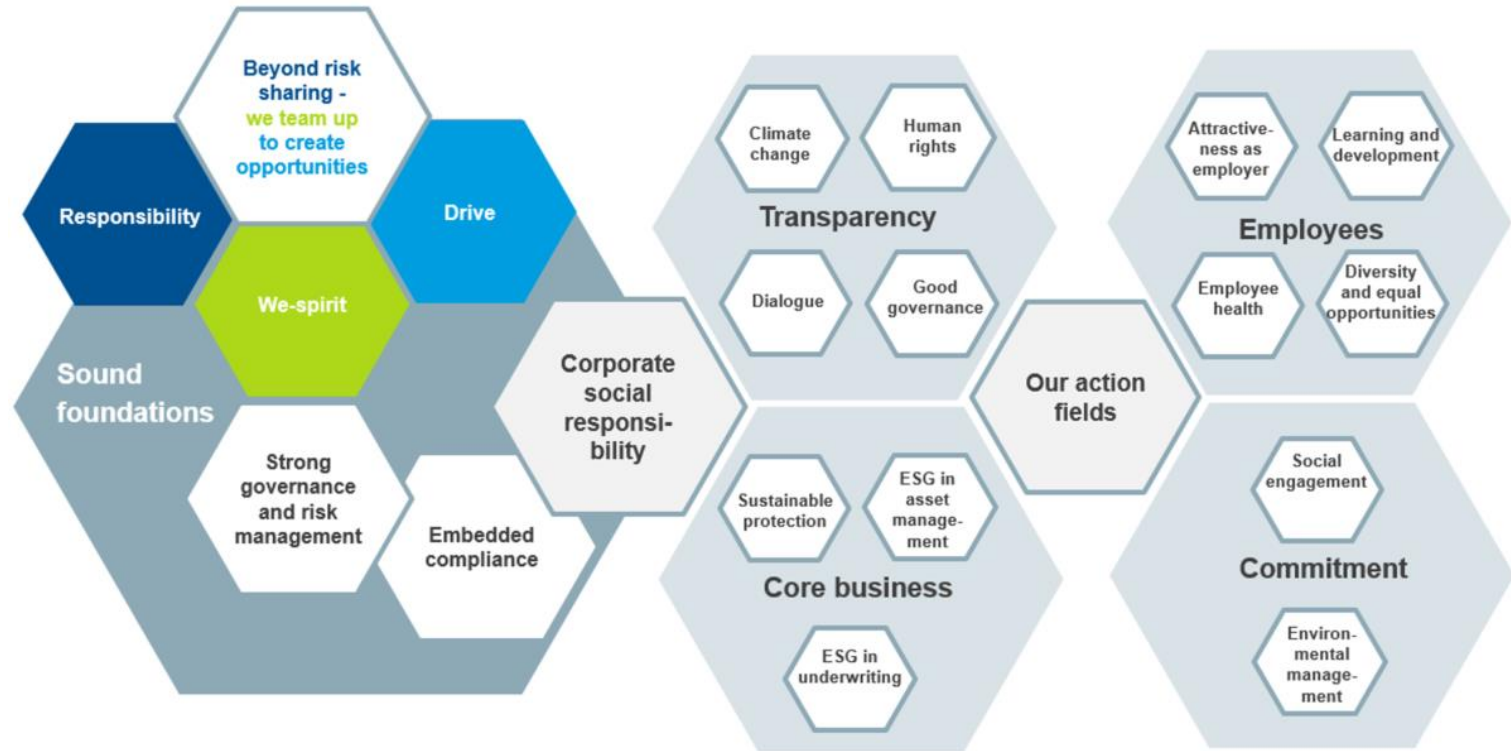
- Signature of UN PSI
- Human rights policy statement
- Climate strategy in asset management
- Decision on net zero targets



Sustainability at Hannover Re

Sustainability Strategy 2021 - 2023 – Overview

- In summer 2020, [we teamed up](#) to develop our new Sustainability Strategy 2021 - 2023
- The sustainability strategy serves our [purpose and values](#)
- It is closely related to the [Group strategy](#) and encompasses its sound foundations
- [Corporate Social Responsibility](#) bridges the sound foundations of our Group strategy and the four defined action fields
- The [action fields](#) encompass the identified material plus additional topics
- All topics were translated in [specific goals](#) and [target indicators](#)



Sustainability at Hannover Re

Sustainability Strategy 2021 - 2023 – Action fields encompass our material topics

Transparency encompasses voluntary commitments and fundamental issues with implications for all other action fields.

- [Climate change](#) and [human rights](#) are interdisciplinary topics, operationalised in the other action fields.
- [Dialogue](#) is our commitment to interact with our stakeholders.
- [Good governance](#) aims for ethical governance and good corporate citizenship.

Motivated and well-trained employees are a crucial factor in the success of our company.

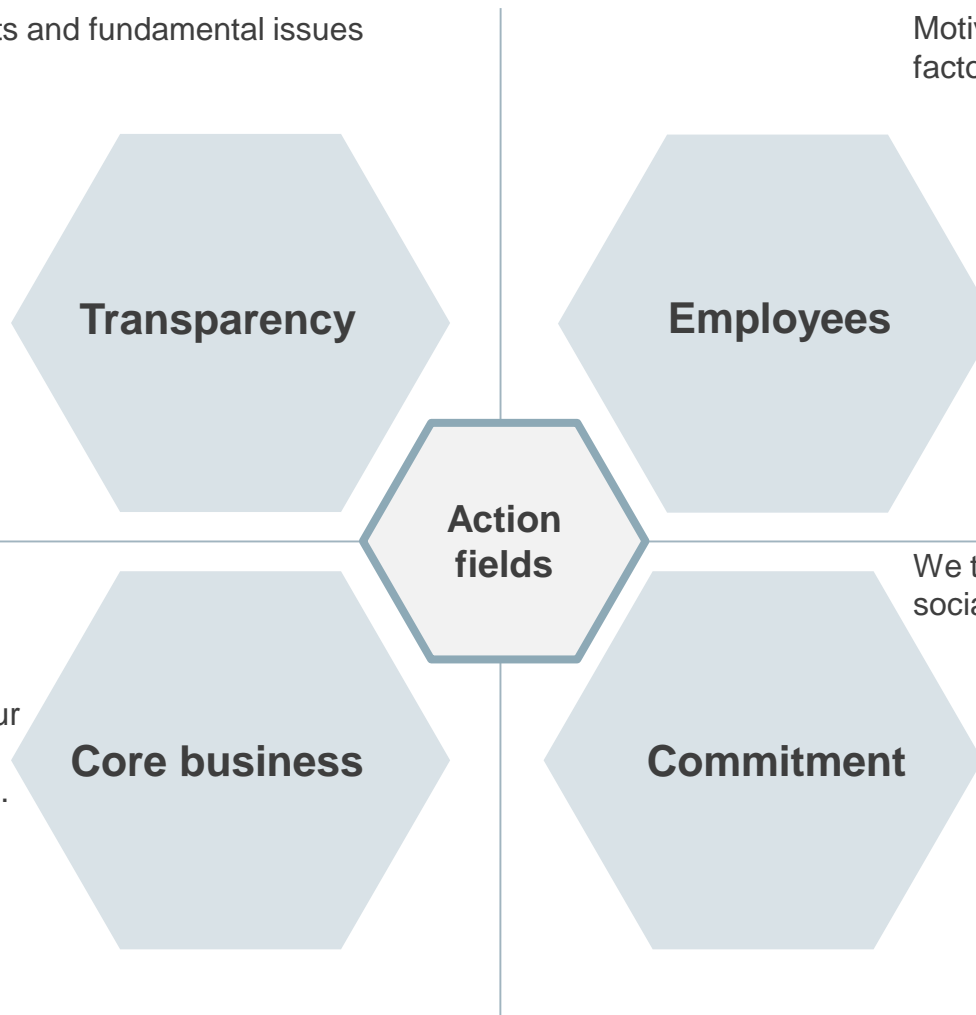
- [Attractiveness an employer](#): We want to be the "employer of first choice" for existing and potential future employees alike.
- We support [learning and development](#) and [employee health and wellness](#).
- We embrace and support [diversity and equal opportunities](#).

How we organise our core business serves as vital leverage for our contribution to the sustainable development of our world.

- In [sustainable protection](#), we bring together all our activities that support the transformation to a sustainable world and offer sustainable solutions.
- With [ESG in underwriting](#) and [asset management](#), we aim to minimize our negative impact.

We take responsibility for the environment and the social landscape in which we operate.

- [Environmental management](#) and [social engagement](#) are not defined as material topics.
- Nevertheless, they are important elements of our strategy.



Net zero targets

Comprehensive goal setting in core business and own business operations



Asset Management

- Climate strategy:
 - Decarbonisation: -30% of CO₂ footprint by 2025¹⁾
 - Active investment in sustainable assets
 - Engagement; via proxy voting
- Application of specific exclusion criteria – e.g. thermal coal, oil sands
- Negative screening / active divestment since 2012



Underwriting

- Exit from all risks connected with thermal coal and related infrastructure by 2038 in the entire P&C portfolio
- Development of P&C ESG position paper
- Further exclusions are defined in accordance with the ESG Manual for the facultative division
- Participation in Net-Zero Insurance Alliance

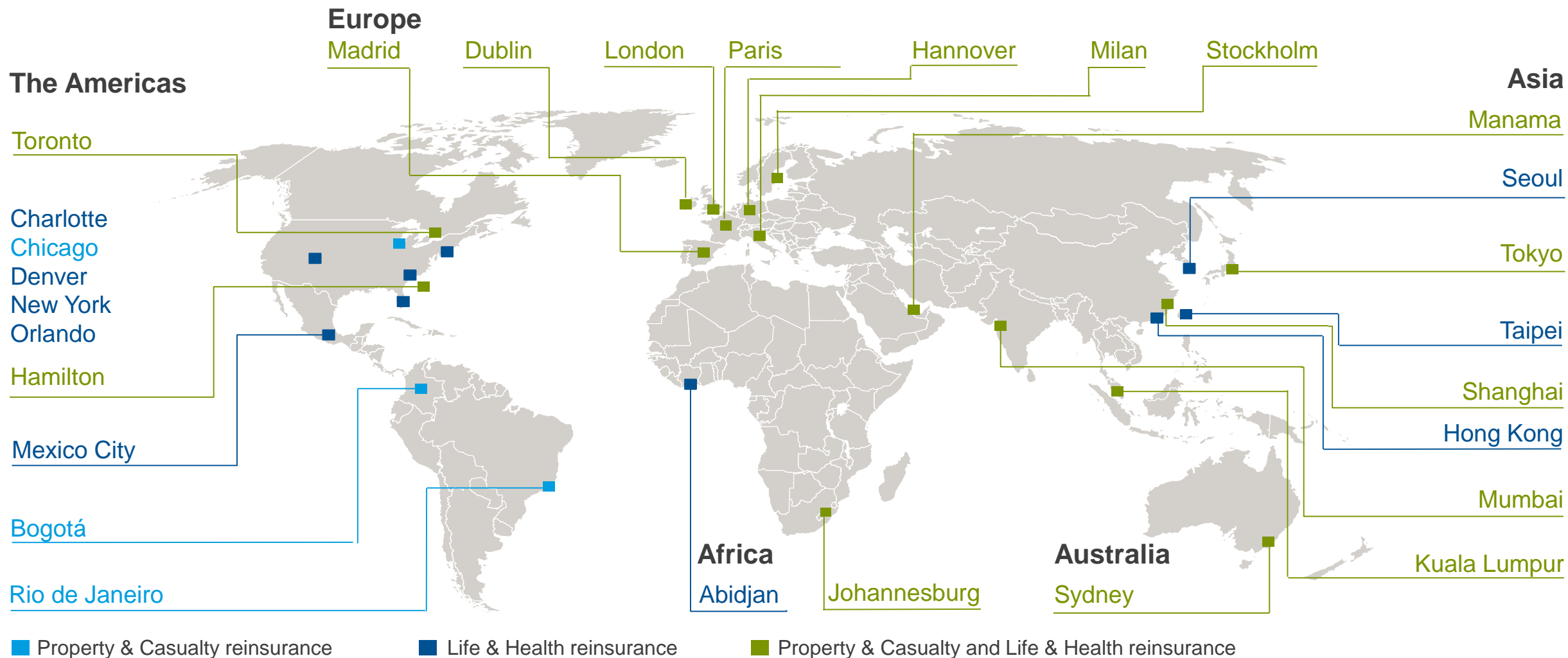


Own business operations

- Carbon neutral at Hannover Office since 2016
- Certified according to ISO 14001 and publication of annual EMAS-III statements
- Implementation of a process to collect carbon emissions data groupwide

1) Corporates, covered bonds and equities; compared to base year 2019

Present on all continents



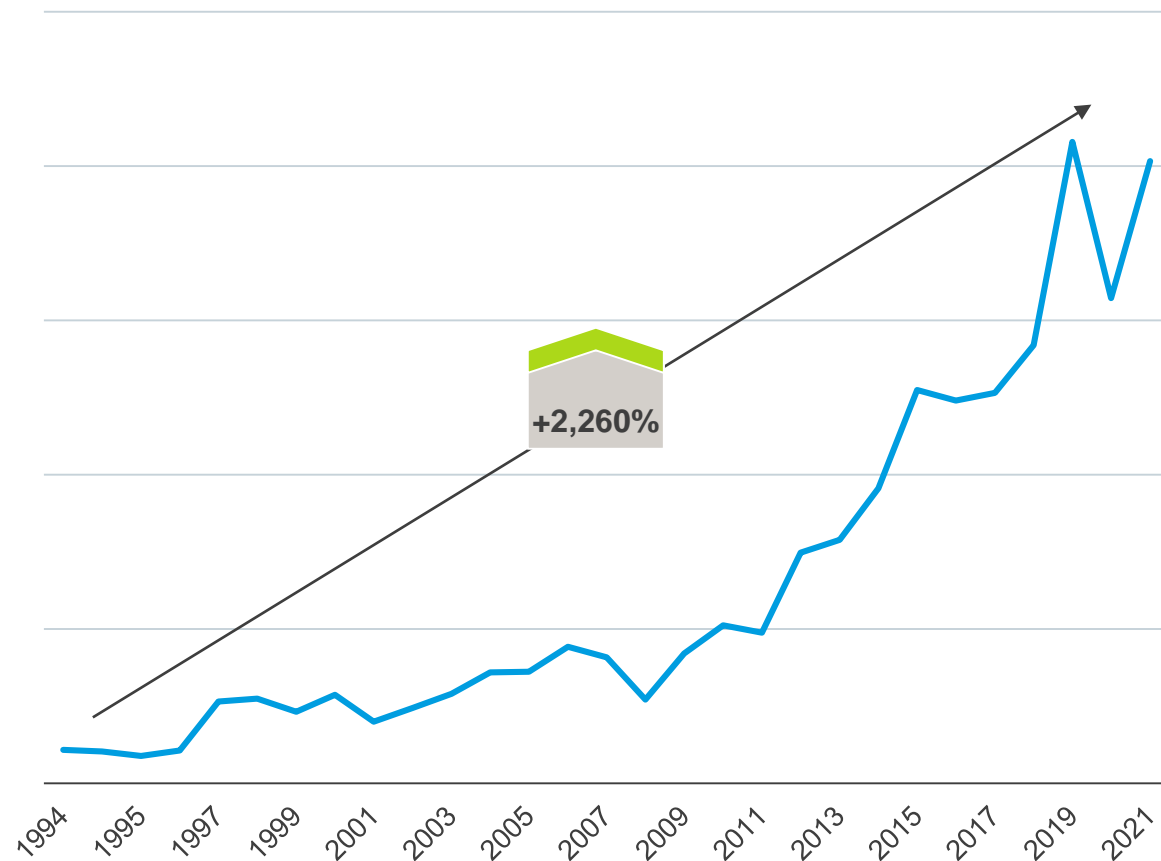
HR share price performance over a 3-year rolling period

Performance comparison (incl. reinvested dividends)



Yearly Total Shareholder Return (TSR) of 12.9%

Value creation since IPO



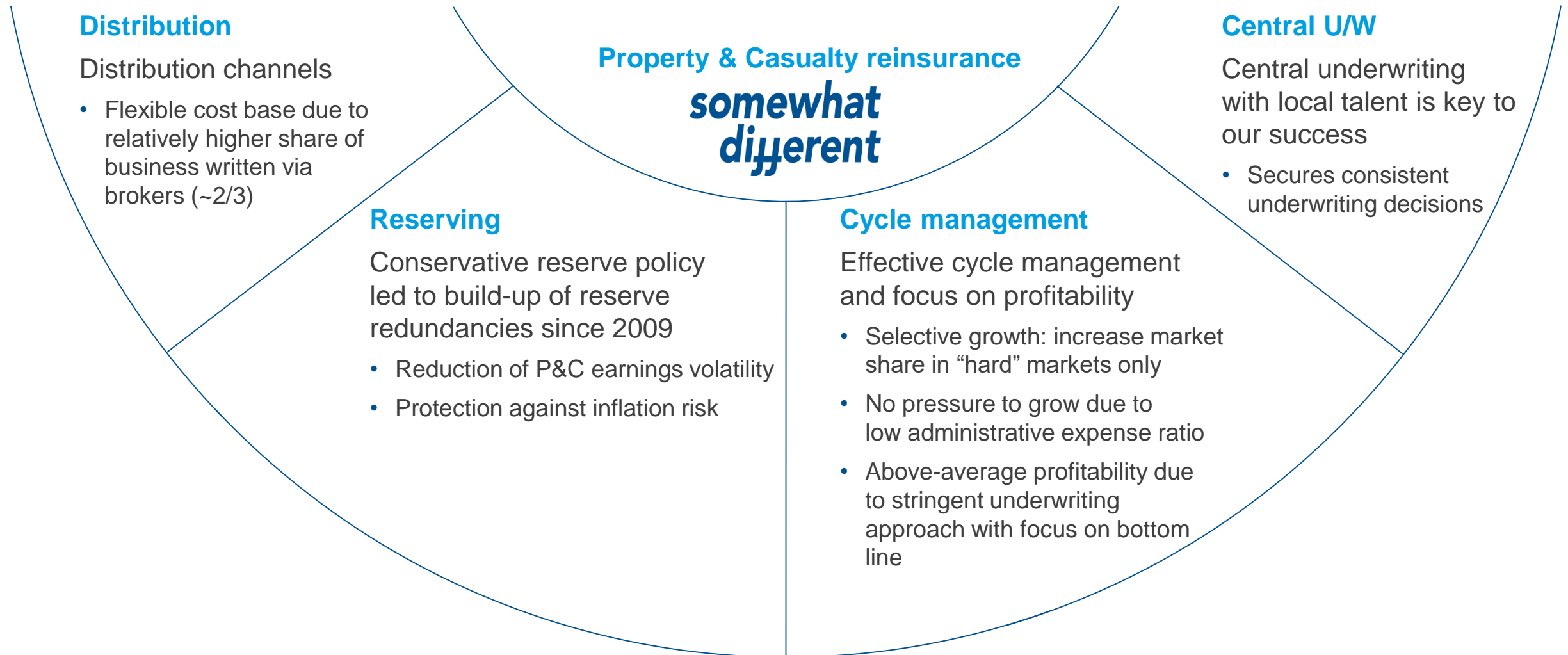
in m. EUR	2020	2021
Market capitalisation as of date	15,714	20,158
- Market capitalisation at IPO (Nov 1994)	1,084	1,084
+ Dividend payments (cumulative)	6,780	6,780 ¹⁾
- Capital increases (1996, 1997, 2001, 2003)	811	811
Value creation since IPO	20,599	25,586

1) Dividend payment for 2021 not yet included

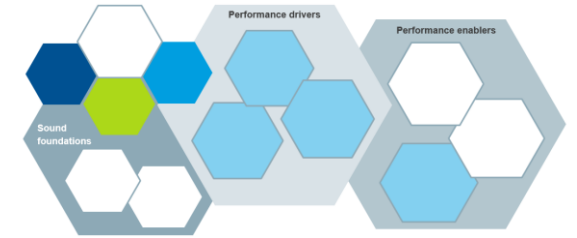
Agenda

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We are somewhat different



Property & Casualty: Strategy



Preferred business partner

Further expand our bottom line through existing and new client relationships

- Customer Excellence (holistic customer management approach) for clients
- Foster our leadership position in specialty markets
- Expand our corporate client basis to enlarge our portfolio of captive clients
- Build on the strength of E+S Rück as “The Reinsurer for Germany”, based on its unique cooperation model

Innovation catalyst

Continue to build out our position as innovation partner for our clients and position accordingly towards the outside world

- Embed the offering of tailor-made solutions (including AS & ILS)
- Embed digital business accelerator for P&C (including insurtech partnerships and partnerships with global technology firms)
- Foster our capabilities in data analytics and become a preferred partner for ceding companies or other service providers to benefit from new sources/pools of data like telematics
- Develop Cyber reinsurance (including exposure management)
- Increase our activities in the parametric reinsurance field
- Increase private-public partnerships to address the Protection Gap
- Increase the external awareness (incl. investors & applicants) of innovation at HR

Earnings growth

Grow profitably in the APAC region whilst maintaining our strong underwriting culture

- Deliver on current APAC initiative
- Include Specialty lines and foster growth of Advanced Solutions business in the region by decentralized underwriting approach
- Ensure strong Hannover Re underwriting culture is maintained in the APAC offices
- Increase collaboration between the APAC offices whilst maintaining strong links to Hannover

Effective capital management

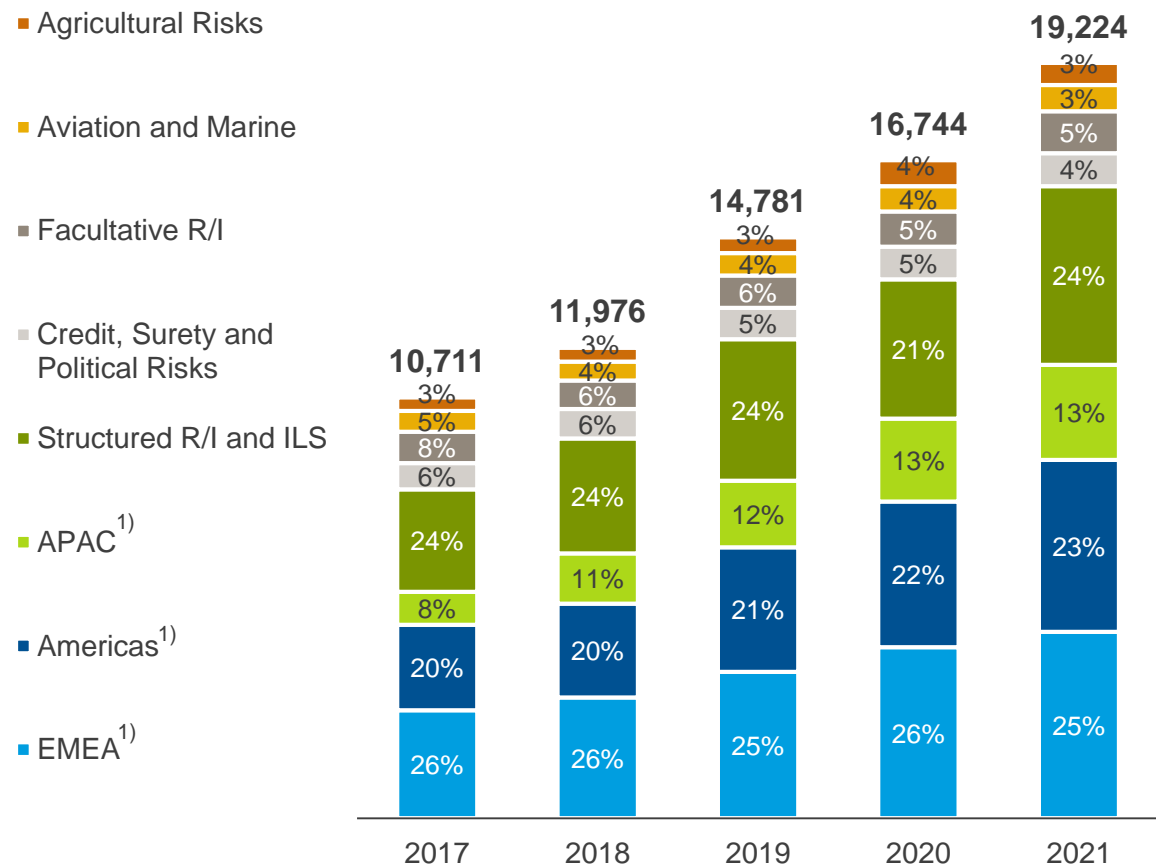
Use internal and external retrocession to optimise the internal model and rating agency capital requirements as well as capital fungibility within the Hannover Re Group and reduce volatility of earnings

- Explore the use of Advanced Solutions type retrocessions
- Establish a (composite) framework for effective internal retrocessions

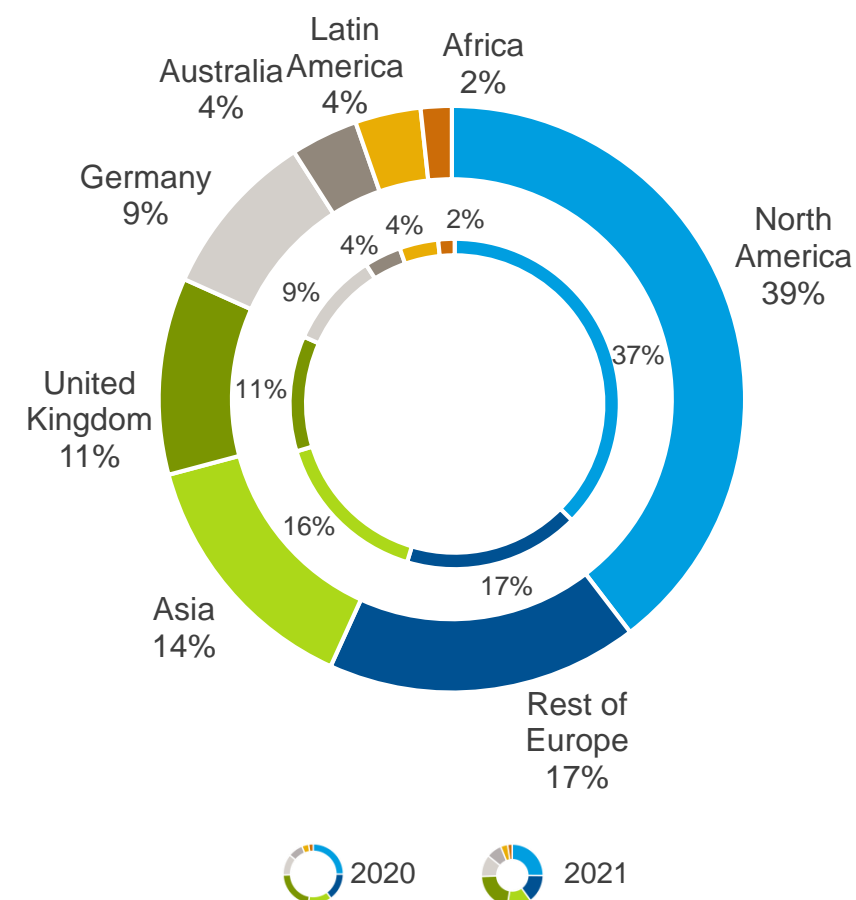
Property & Casualty reinsurance: strong and diversified growth

5-year CAGR: +15.9%

GWP split by reporting categories



Gross written premium split by regions

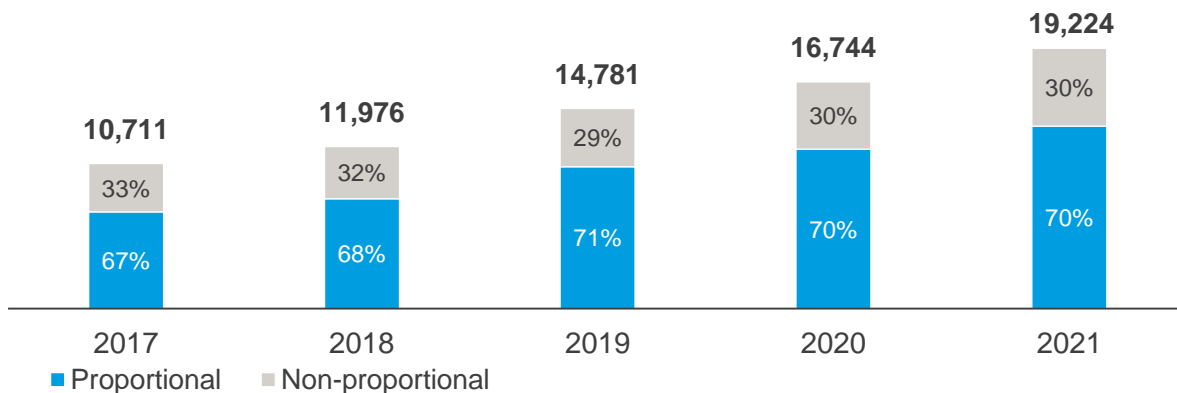


1) All lines of Property & Casualty reinsurance except those stated separately
2020 restated pursuant to IAS 8

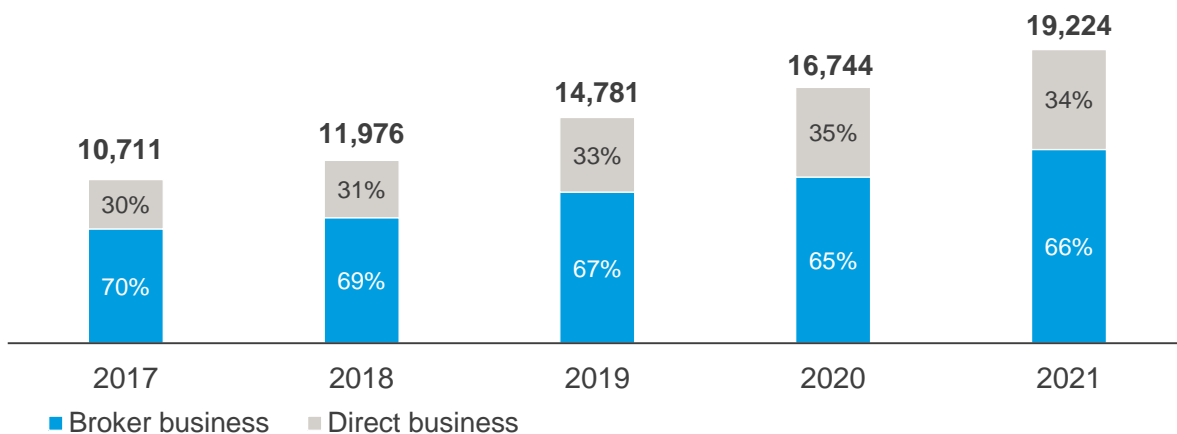
Around 2/3 of our business is written via brokers

~1/3 of our business is non-proportional

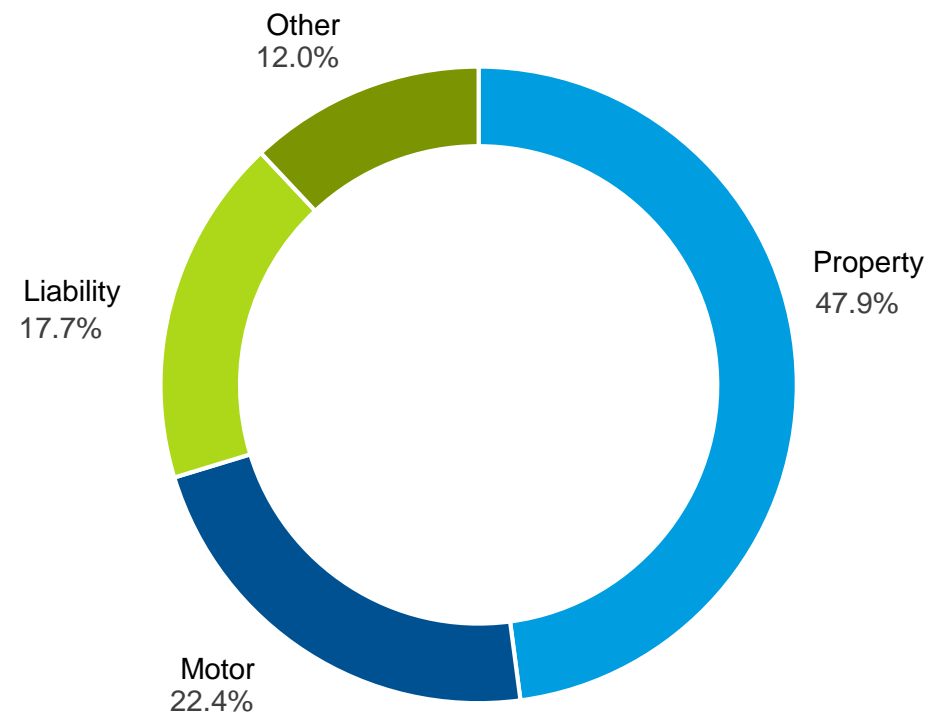
Breakdown of treaties by volume (in % and m. EUR)



Breakdown of business written (in % and m. EUR)



GWP by segment

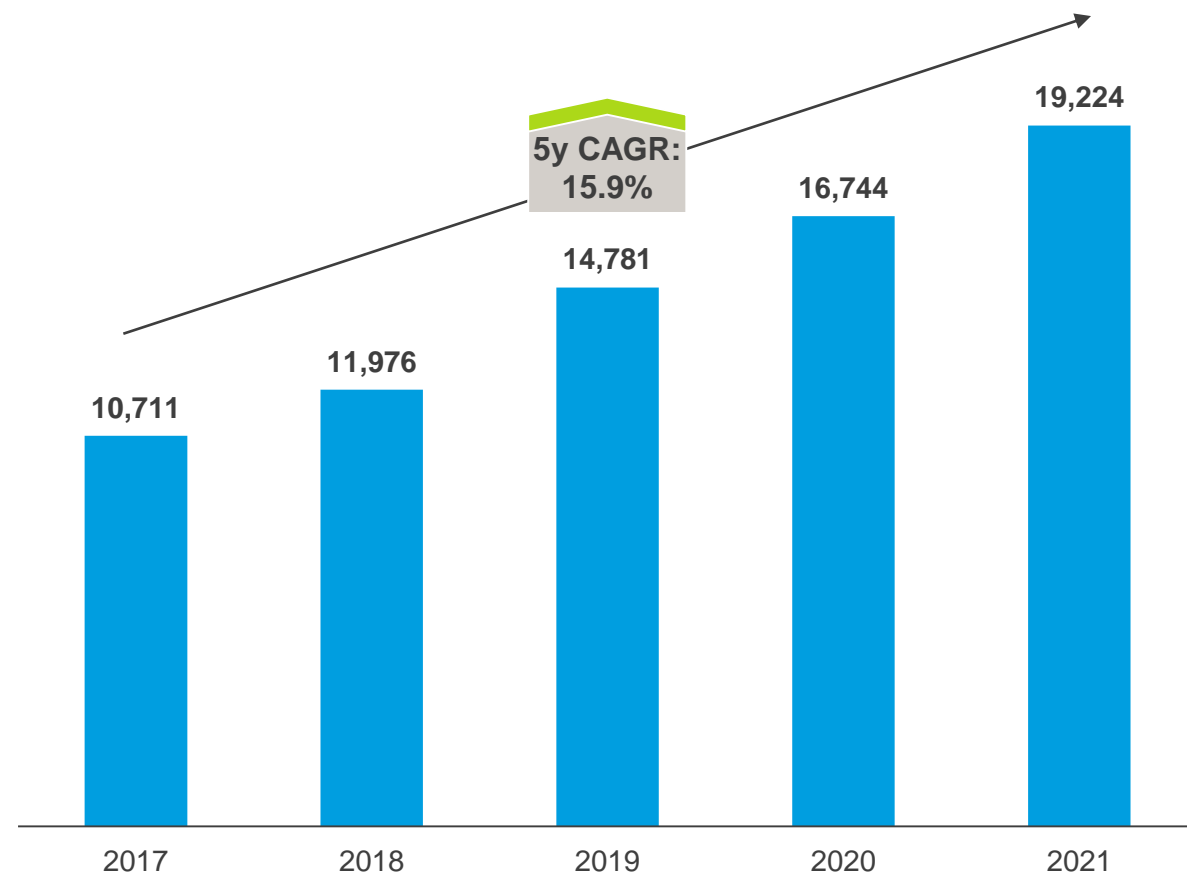


Margin-oriented U/W approach leads to profitable growth

2021: strong premium growth – large losses exceed budget by 150 m.

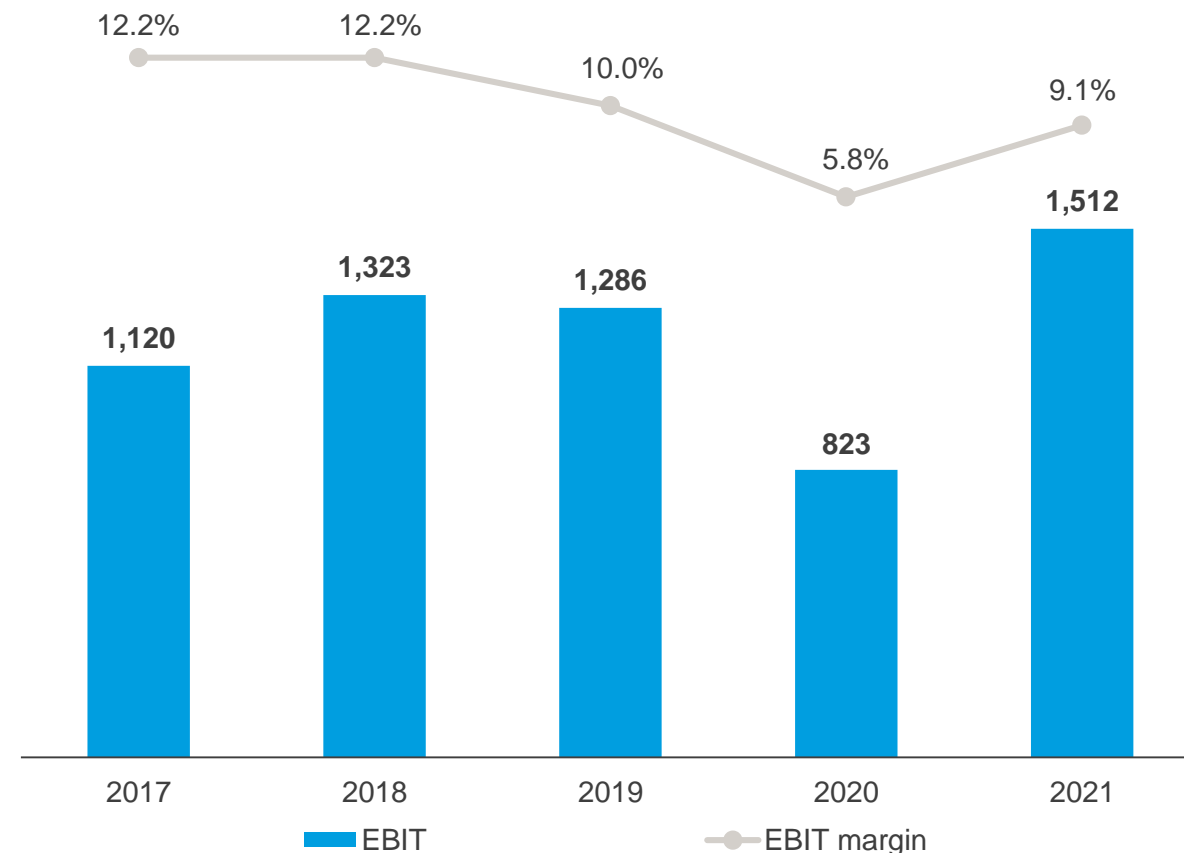
Gross written premium

in m. EUR





















EBIT/EBIT margin

in m. EUR



Target Combined Ratio varies substantially by line of business

Targets for FY 2022

NPE	+	Economic revaluation	-	Capital margin	=	Target Combined Ratio
Net premium earned (100%)		Discount effect on P&C net loss reserves (% of NPE)		Capital margin above risk free (pre-tax)		Target Combined Ratio
EMEA ¹⁾		 2,0 %		 6,9%		95.2%
Americas ¹⁾		 4,9 %		 10,6%		94.3%
APAC ¹⁾		 3,8 %		 6,3%		97.5%
Structured Reinsurance and ILS		 0,4 %		 1,7%		98.7%
Credit, Surety and Political Risks		 2,3 %		 8,3%		93.9%
Facultative Reinsurance		 4,1 %		 6,7%		97.4%
Aviation and Marine		 3,4 %		 8,1%		95.3%
Agricultural Risks		 1,9 %		 8,8%		93.1%
Total Property & Casualty R/I		 2,8 %		 6,8%		96.0%

As at March 2022

1) All lines of business except those stated separately; EMEA incl. CIS

Stable redundancy despite challenging environment

Reserve study review by Willis Towers Watson confirms reserving level

in m. EUR

Year end ¹⁾	Redundancy ²⁾	Increase redundancy	Effect on loss ratio	P&C premium (net earned)
2010	956	89	1.6%	5,394
2011	1,117	162	2.7%	5,961
2012	1,308	190	2.8%	6,854
2013	1,517	209	3.1%	6,866
2014	1,546	29	0.4%	7,011
2015	1,887	341	4.2%	8,100
2016	1,865	-22	-0.3%	7,985
2017	1,813	-52	-0.6%	9,159
2018	1,694	-118	-1.1%	10,804
2019	1,457	-238	-1.9%	12,798
2020	1,536	80	0.6%	14,205
2010 - 2020 total		671		95,137
2010 - 2020 average		61	0.7%	8,649

Average impact on loss ratio: 0.7% in the past 11 years (not f/x-adjusted)

1) Figures unadjusted for changes in foreign exchange rate, i.e. based on actual exchange rates at respective year end

2) Redundancy of loss and loss adjustment expense reserve for its non-life insurance business against held IFRS reserves, before tax and minority participations

Willis Towers Watson reviewed these estimates - more details shown in appendix

The risk is manageable

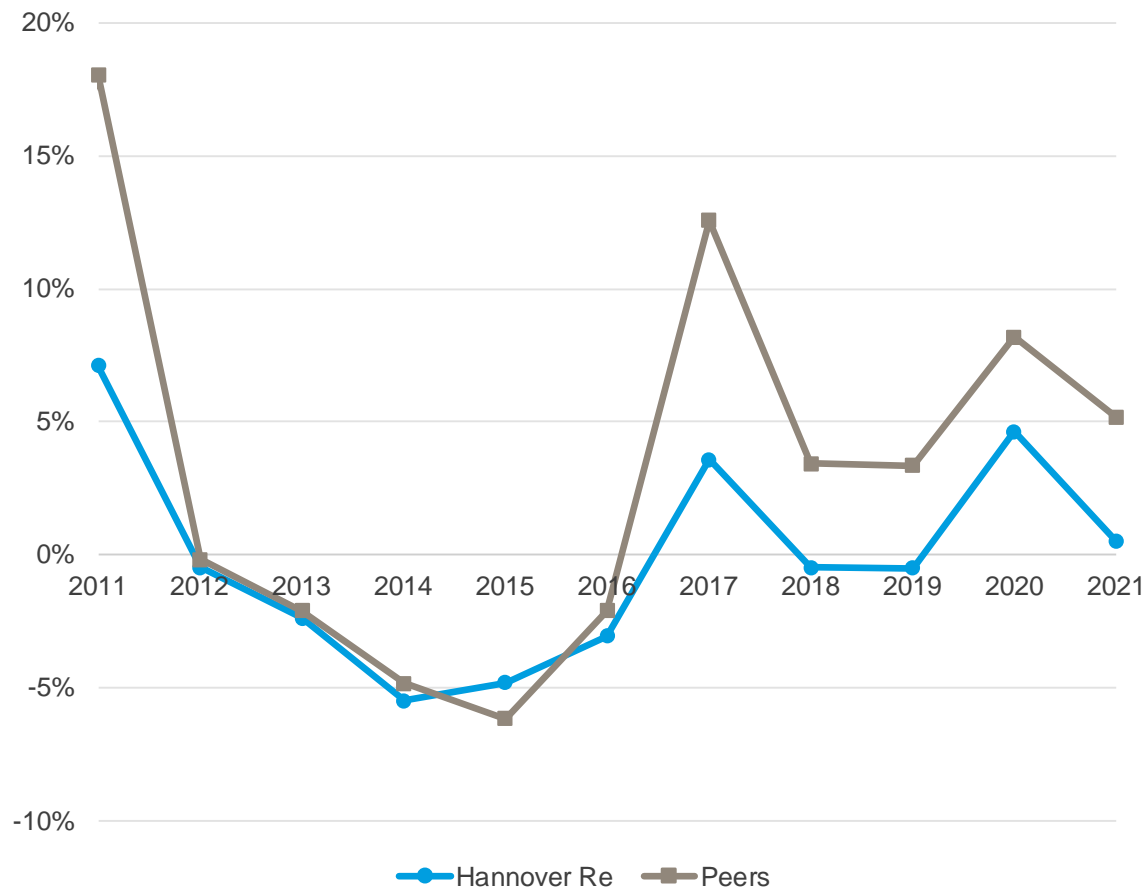
Stress tests for natural catastrophes after retrocessions

Effect on forecast net income in m. EUR

		2020	2021
Hurricane US/Carribean	100-year loss	(1,107)	(1,452)
	250-year loss	(1,594)	(1,959)
Earthquake US West Coast	100-year loss	(554)	(839)
	250-year loss	(1,184)	(1,615)
Winter storm Europe	100-year loss	(377)	(667)
	250-year loss	(631)	(1,009)
Earthquake Japan	100-year loss	(347)	(758)
	250-year loss	(747)	(1,203)
Earthquake Chile	100-year loss	(223)	(493)
	250-year loss	(777)	(1,277)

Previous years confirm our reliable planning of NatCat budget

Δ NatCat losses vs. budget in % of NPE



Δ average NatCat losses vs. budget

Volatility¹⁾

hannover re[®]

-0.1%

3.9%

Peers

3.2%

7.6%

- On average, Hannover Re stays within NatCat budget
- Lower volatility of NatCat budget utilisation by Hannover Re compared to peers

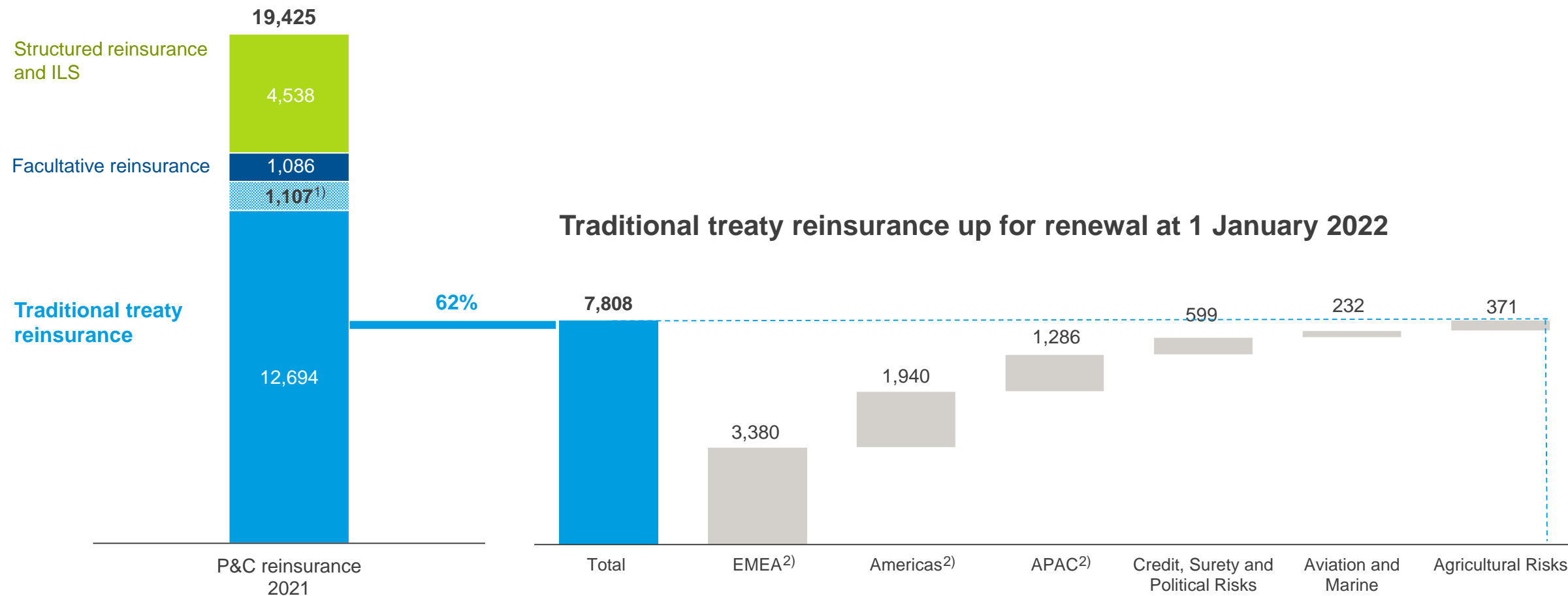
All numbers as % of net premium earned and as reported; 2021 and 2020 numbers include Covid-19 impact; Peers: Munich Re, Swiss Re, SCOR

1) Standard deviation

62% of traditional treaty reinsurance up for renewal at 1 January 2022

Equates to 43% of the total P&C inforce premium

Estimated premium income U/Y by reporting lines



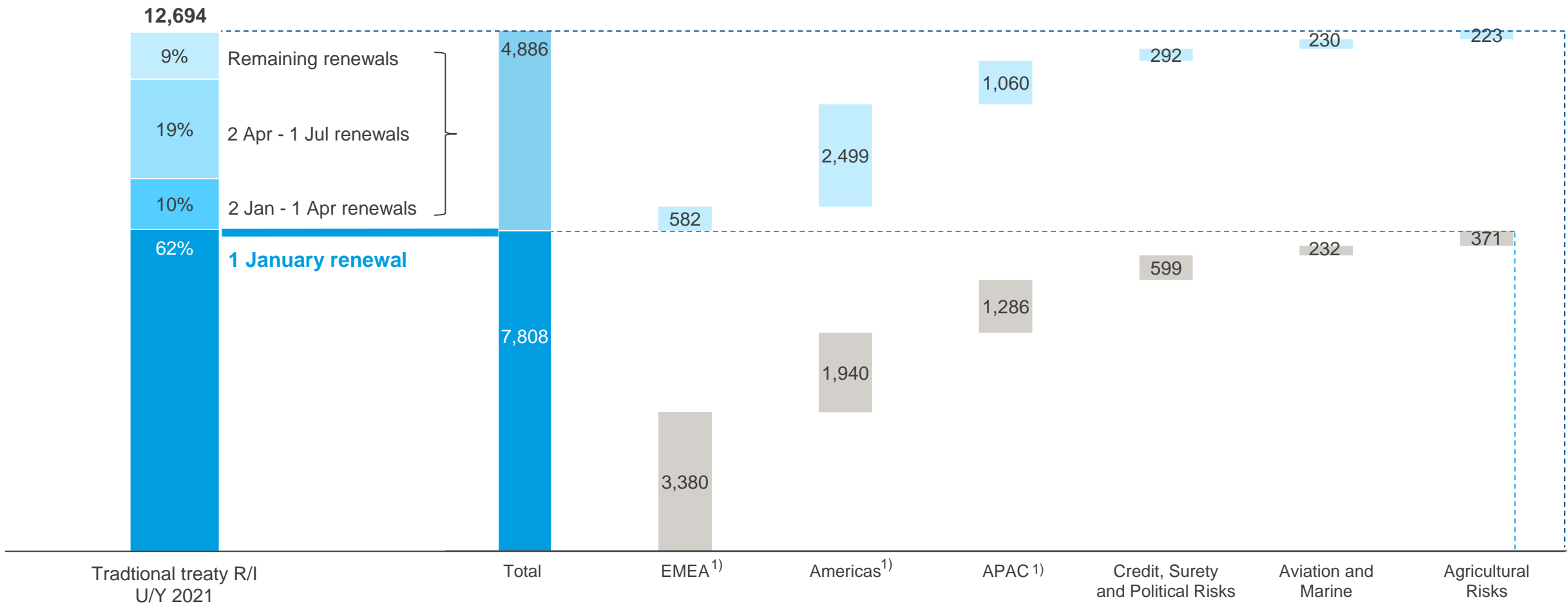
All figures in m. EUR

1) Mandatory cession from HDI Global Specialty

2) All lines of business except those stated separately

38% of traditional treaty reinsurance comes up for renewal later in a favourable market environment

Estimated premium income U/Y by regions



All figures in m. EUR

1) All lines of business except those stated separately

Risk-adjusted price increase of 4.1% supported growth in most regions and lines of business

Reporting lines	Traditional treaty reinsurance			
	Premium 1/1/2021	Premium 1/1/2022	Premium changes	Price changes
EMEA ¹⁾	3,380	3,712	+9.8%	+5.3%
Americas ¹⁾	1,940	2,075	+7.0%	+5.0%
APAC ¹⁾	1,286	1,392	+8.2%	+1.4%
Credit, Surety and Political risks	599	666	+11.2%	+1.3%
Aviation and Marine	232	234	+0.8%	+5.2%
Agricultural Risks	371	381	+2.6%	+2.0%
Total 1 January renewals	7,808	8,460	+8.3%	+4.1%

Premium estimates in m. EUR

1) All lines of business except those stated separately (excl. Structured R/I and ILS as well as Facultative R/I)

Satisfactory renewal in both treaty types

6.1% risk-adjusted rate increase in non-proportional business

Reporting lines	Proportional			Non-proportional		
	Premium 1/1/2022	Premium changes	Price changes	Premium 1/1/2022	Premium changes	Price changes
EMEA ¹⁾	2,750	+7.9%	+5.1%	961	+15.8%	+6.1%
Americas ¹⁾	912	+0.9%	+4.3%	1,163	+12.3%	+5.6%
APAC ¹⁾	1,280	+7.0%	+1.3%	112	+25.1%	+3.1%
Credit, Surety and Political risks	555	+10.9%	-0.1%	111	+12.5%	+8.8%
Aviation and Marine	92	-5.6%	+2.1%	142	+5.4%	+7.5%
Agricultural Risks	340	+3.1%	+0.4%	41	-1.5%	+14.6%
Total 1 January renewals	5,929	+6.3%	+3.4%	2,530	+13.5%	+6.1%

Premium estimates in m. EUR

1) All lines of business except those stated separately (excl. Structured R/I and ILS as well as Facultative R/I)

Agenda

1	Hannover Re Group	2
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4	Investment management	61
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6	Annual results 2021	79
7	Outlook	89
	<i>Appendix</i>	93

We are somewhat different

Undogmatic

We have an undogmatic approach

- Strong entrepreneurial spirit
- Appetite to innovate industry solutions

Life & Health reinsurance

somewhat different

Responsive

We are committed to time to market & responsiveness

- Rapid decision-making processes
- In-depth knowledge of local markets

Efficient

We foster an efficient organisational set-up

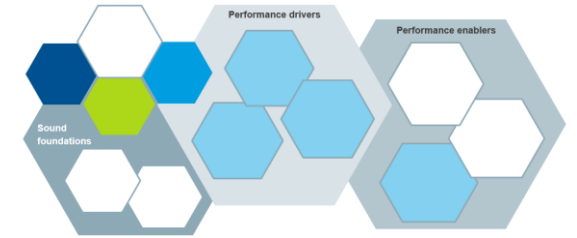
- >1,100 experts in 26 offices on all continents
- Highly empowered and qualified staff

Flexible

We are a highly flexible business partner

- Tailor-made services and solutions
- Ability to anticipate market and client demands

Life & Health: Strategy



Preferred business partner

Support our clients in optimising consumer experience and risk segmentation

- Deepen data analytics expertise in combination with artificial intelligence
- Widen data analytics service offering, including third-party data
- Expand partnerships: consumer experience & digitalisation of sales channels
- Enhance lifestyle & wellness product propositions

Innovation catalyst

Provide our clients with tailored risk-transfer solutions beyond our core expertise

- Select appropriate partners to address investment, biometric & expense risk

Earnings growth

Outperform the competition in the fastest growing L&H markets

- Expand our offering in ...
 - Asia
 - Longevity
 - Financial Solutions

Effective capital management

Identify and actively manage value-destroying risks in our portfolio

- Expand inforce management capabilities and activities
- Derive appropriate pricing from lessons learned for new business

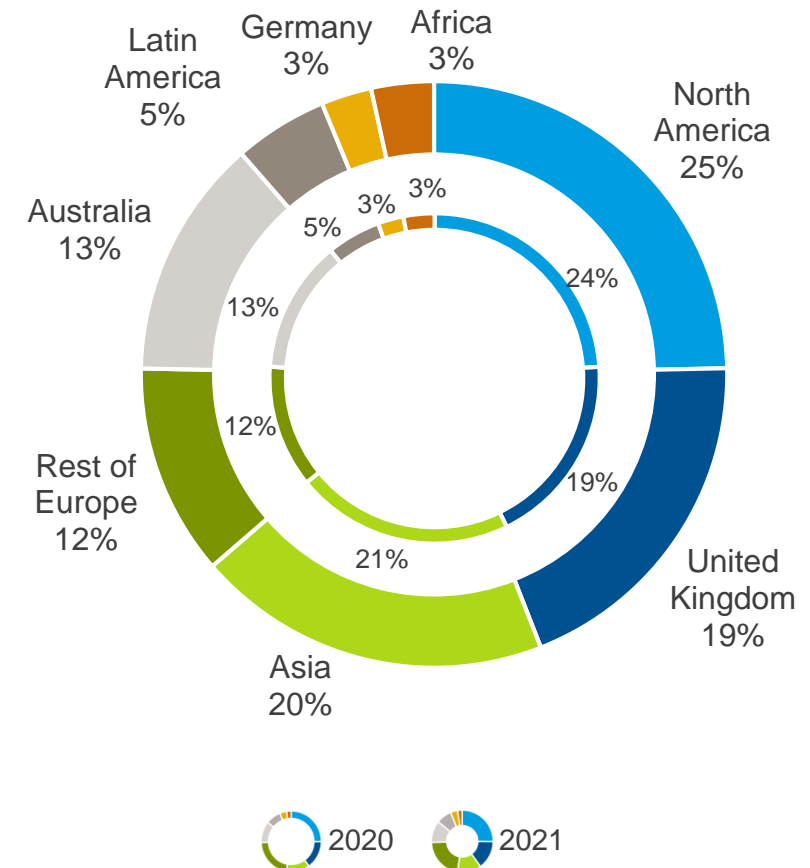
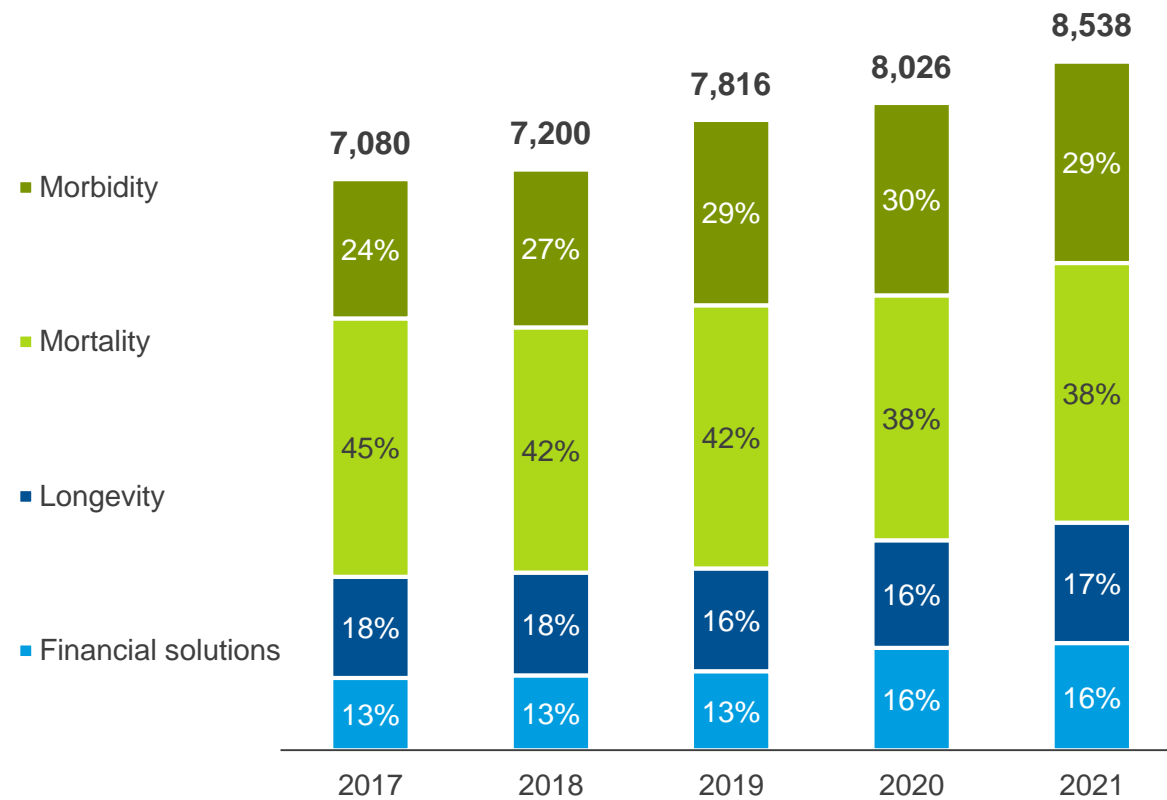
Life & Health reinsurance: diversified growth in line with strategic target

5-year CAGR: +3.6%

GWP split by reporting categories

in m. EUR

Gross written premium split by regions



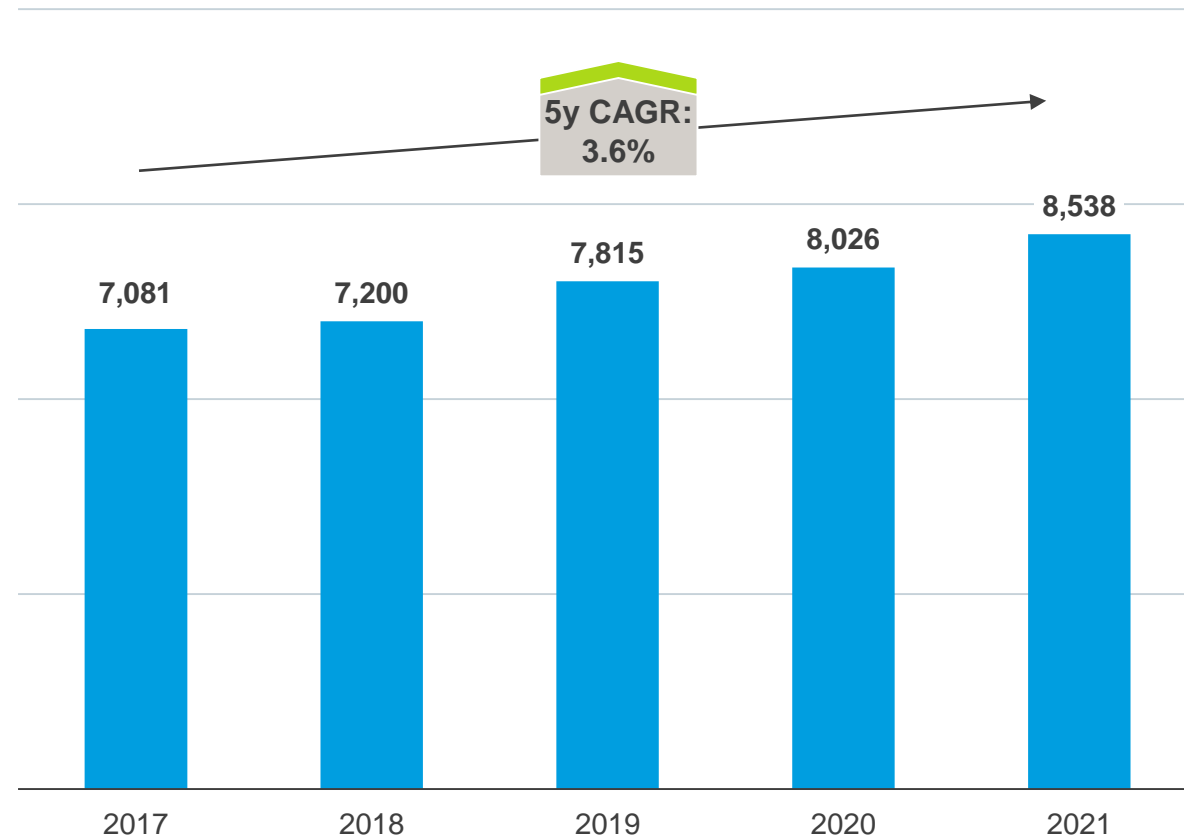
2020 restated pursuant to IAS 8

Favourable premium growth

2021: result impacted by Covid-19 losses – strong earnings in Financial Solutions

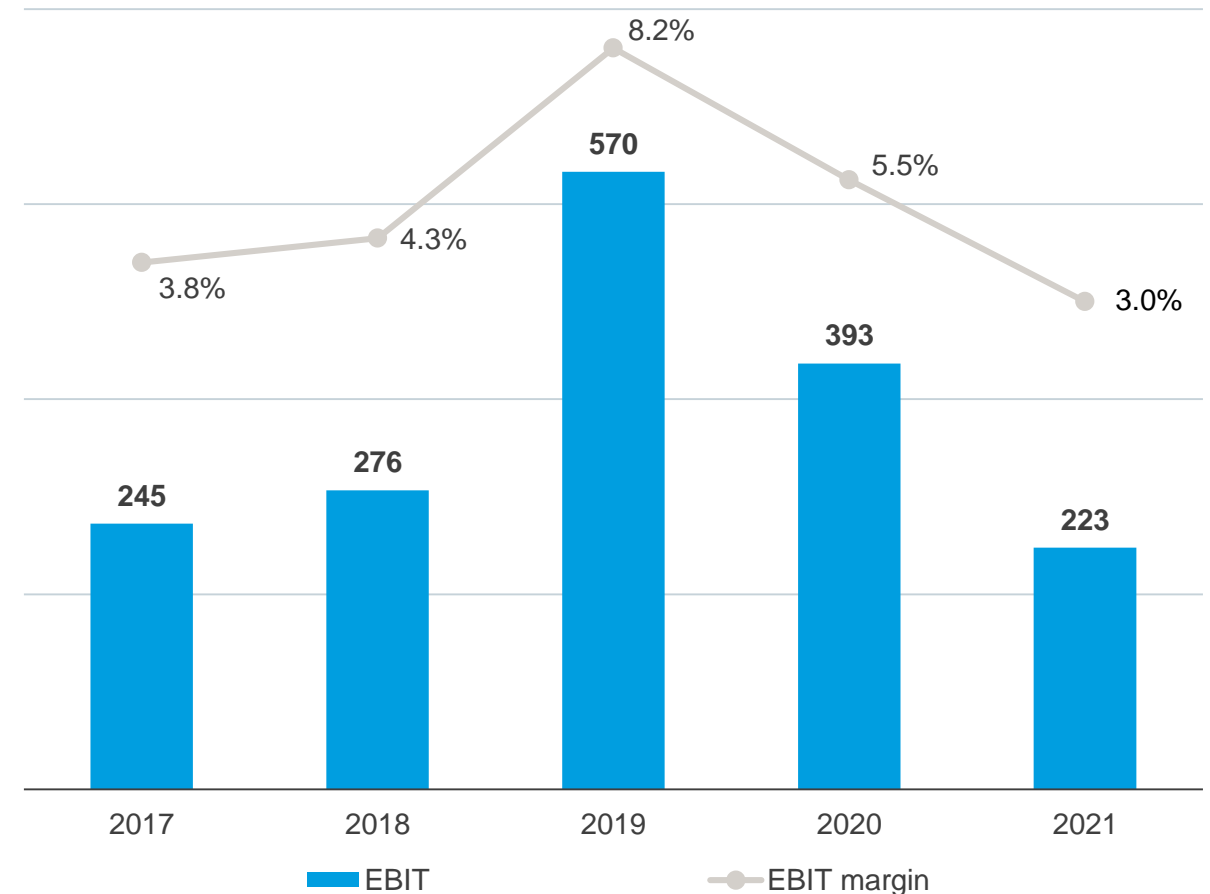
Gross written premium

in m. EUR



EBIT/EBIT margin

in m. EUR

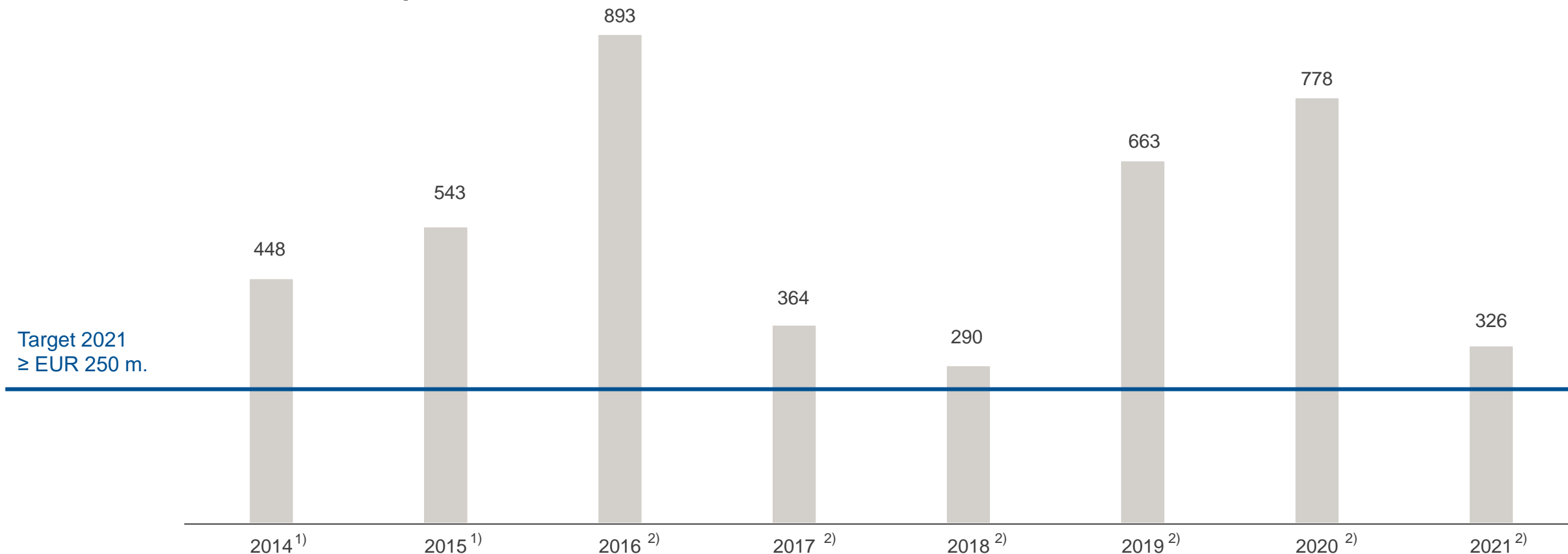


Value of New Business well above target

Mainly driven by Financial Solutions and Longevity business

Value of New Business development

in m. EUR



1) 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)

2) Based on Solvency II principles and pre-tax reporting

Writing attractive traditional life & health business

Whilst positioning ourselves for sustainable growth with a clear strategic focus

Risk Solutions

Provide terms and capacity
for all types of technical risks

Financial Solutions

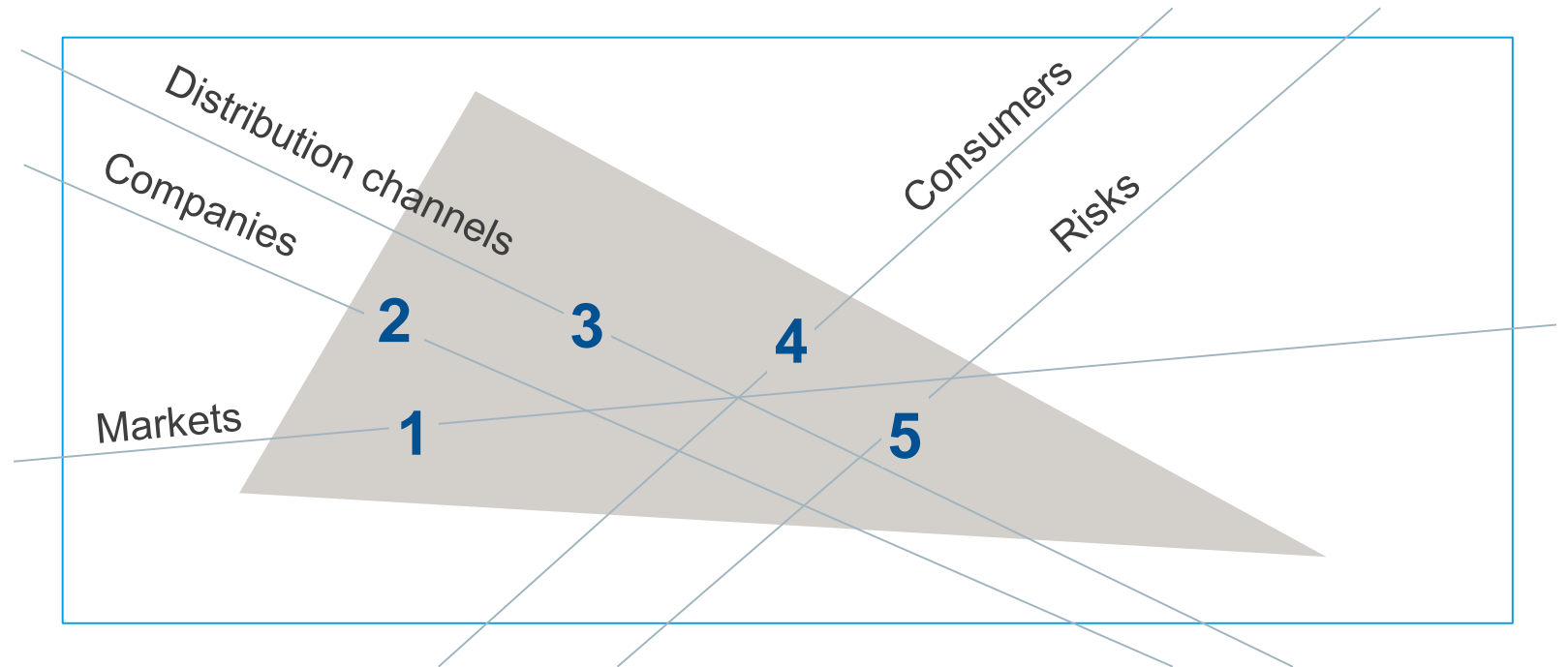
Achieve financial objectives
for our clients

Reinsurance Services

Meet the individual
needs of our clients

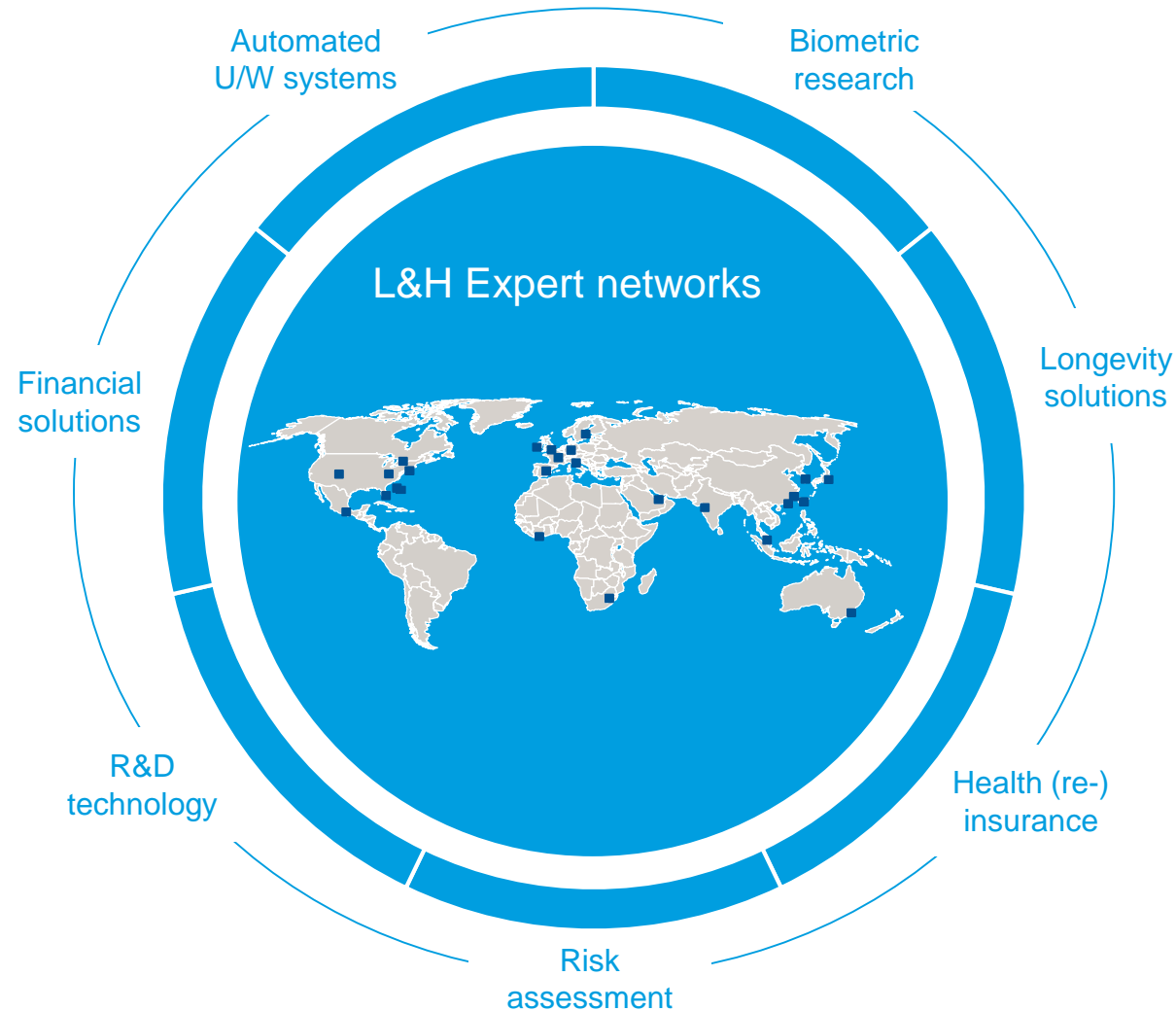
Our strategic focus

- 1 High growth markets
- 2 Companies in transition
- 3 Alternative distribution channels
- 4 Underserved consumers
- 5 Hard-to-quantify risks



□ Reinsurance universe ▲ Positive economic value expected

Our clients are served in the markets by our network of offices and by our solution-orientated expert networks



Complete offerings

Risk and financial solutions & services

Risk Solutions Competitive terms and appropriate capacity for technical risks	
Mortality	Longevity
Morbidity Health Disability	
Long Term Care	Critical Illness

Profitability depends largely on the underlying biometric risks

Financial Solutions Structured agreements to achieve certain financial objectives
New Business Financing
Reserve & Solvency Relief
Embedded Value Transaction

Profitability is less likely to be affected by the underlying biometric risks

Reinsurance Services Comprehensive range geared towards individual needs	
Products	Processes
Biometrics	Risk Assessment
Underwriting Systems	

Only in combination with risk solutions and/or financial solutions

Example risk solution: mortality & longevity

Risks

Mortality

Risk of paying more death benefits than expected

Longevity

Risk of paying annuities longer than expected

Trigger



Longevity: enhanced annuities¹⁾

Illustration: 50k single premium; male 65; 3% interest

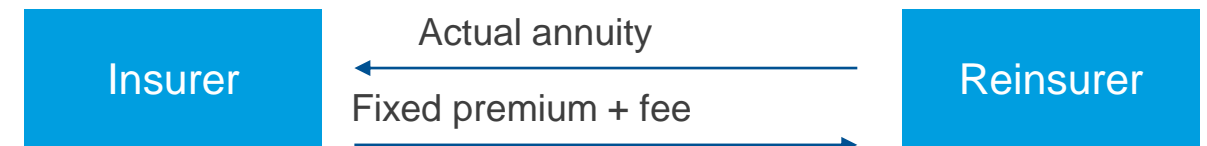
Status of health →	Healthy	Obesity	Diabetes	Cancer
Annuity increase →	+0% (standard)	+9%	+23%	+85%
Monthly annuity →	244	267	300	452

Longevity: risk transfer



Lifelong annuity

no investment participation



¹⁾ Allows people in ill health to receive a higher regular income in recognition of the fact that they, on average, have a shorter life expectancy than a healthy person

Example risk solution: morbidity - critical illness

Morbidity

Risk of experiencing a higher claims burden from traditional health, critical illness, long-term care, and disability covers

Product: Critical illness insurance



Helps consumers to protect their life quality in case of a life-threatening disease



Payment



Income protection/medical insurance
Payment of claim incurred

Critical Illness
Payment of lump sum insured

Hannover Re's contribution



- + Coverage of > than 160 diseases
- + Design, pricing & claims assessment
- + Advice & training in underwriting risks
- + Track record as innovator in the market

Example: services offered with risk and/or financial solutions



Products

Innovative, e.g. products with little or no underwriting



Processes

Lean, e.g. distribution directly to individuals, without advisers



Biometrics

Cover of death, disease or disability risks at an appropriate cost



Risk assessment

Support for proper medical & claims assessment



U/W systems

hr | Quirc, hr | ReFlex or hr | Ascent

Primary differences between L&H and P&C business

Simplified illustration

Accounting considerations (premium)

Single



Recurring

IBNR reserve impact

Low



High

Involvement of brokers

Low



High

Number of competitors

Few



Many

Number of reinsurer participating in one treaty

Few



Many

Premium margin as meaningful benchmark

Low



High

Reinsurance contract terms

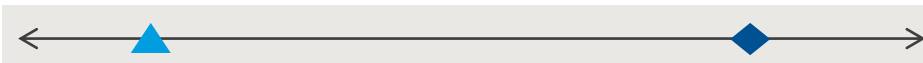
Short term



Long term

Saving component in premium

None



Common

Share of proportional business

Low



High

Property & Casualty business ▲ Life & Health business ◆

Takeaways for the Life & Health Business Group

1

Business

All lines of life, health & annuities

2

Focus

Biometric risks not asset risk

3

Relationship

Long term due to very long run-off

4

Service

An important component

5

Premium

Not the only meaningful benchmark → EBIT

6

Financial solutions business

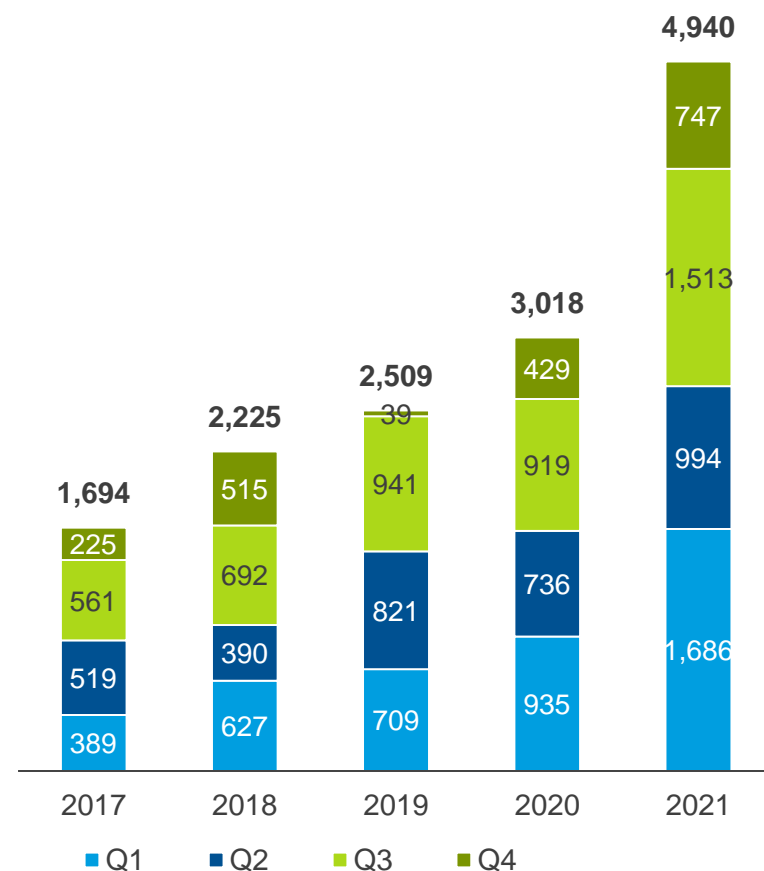
Key driver of earnings

Agenda

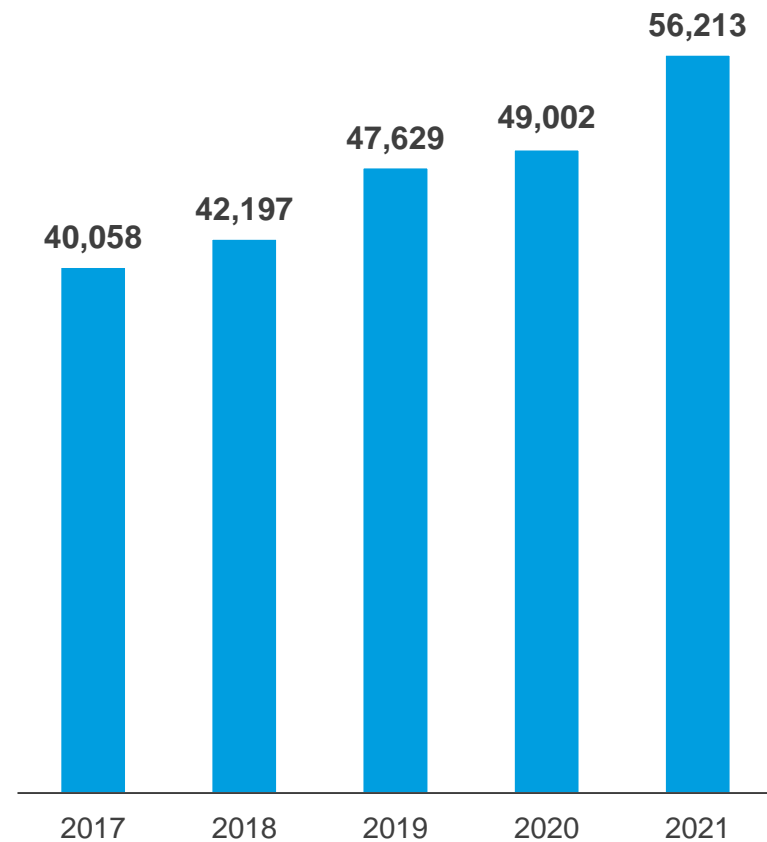
1	Hannover Re Group	2
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	<i>Appendix</i>	93

Very strong operating cash flow supports growth of assets and ordinary investment income

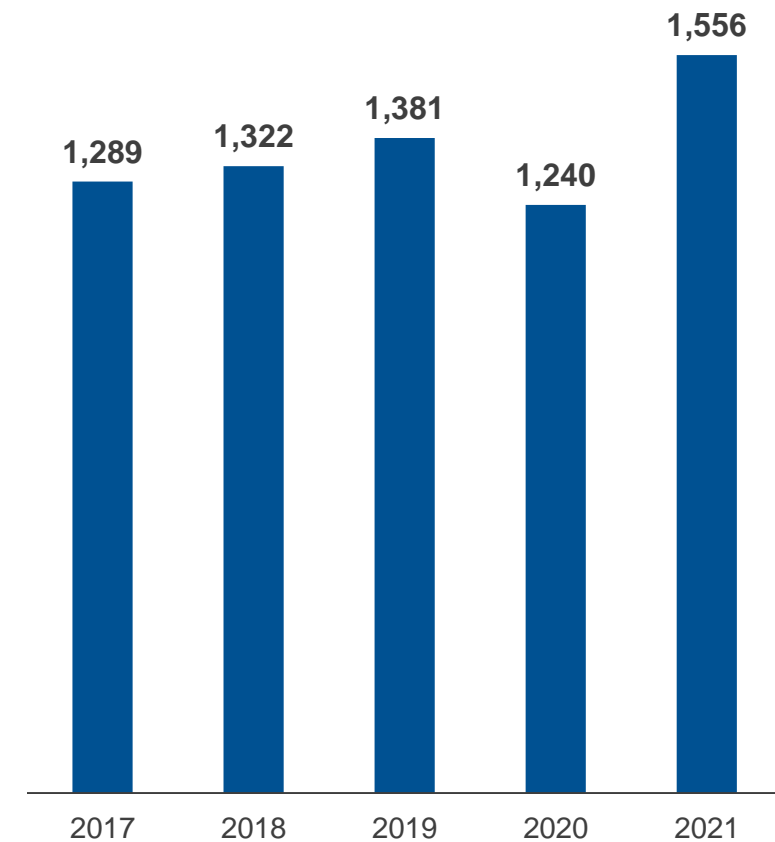
Operating cash flow



Assets under own management



Ordinary investment income



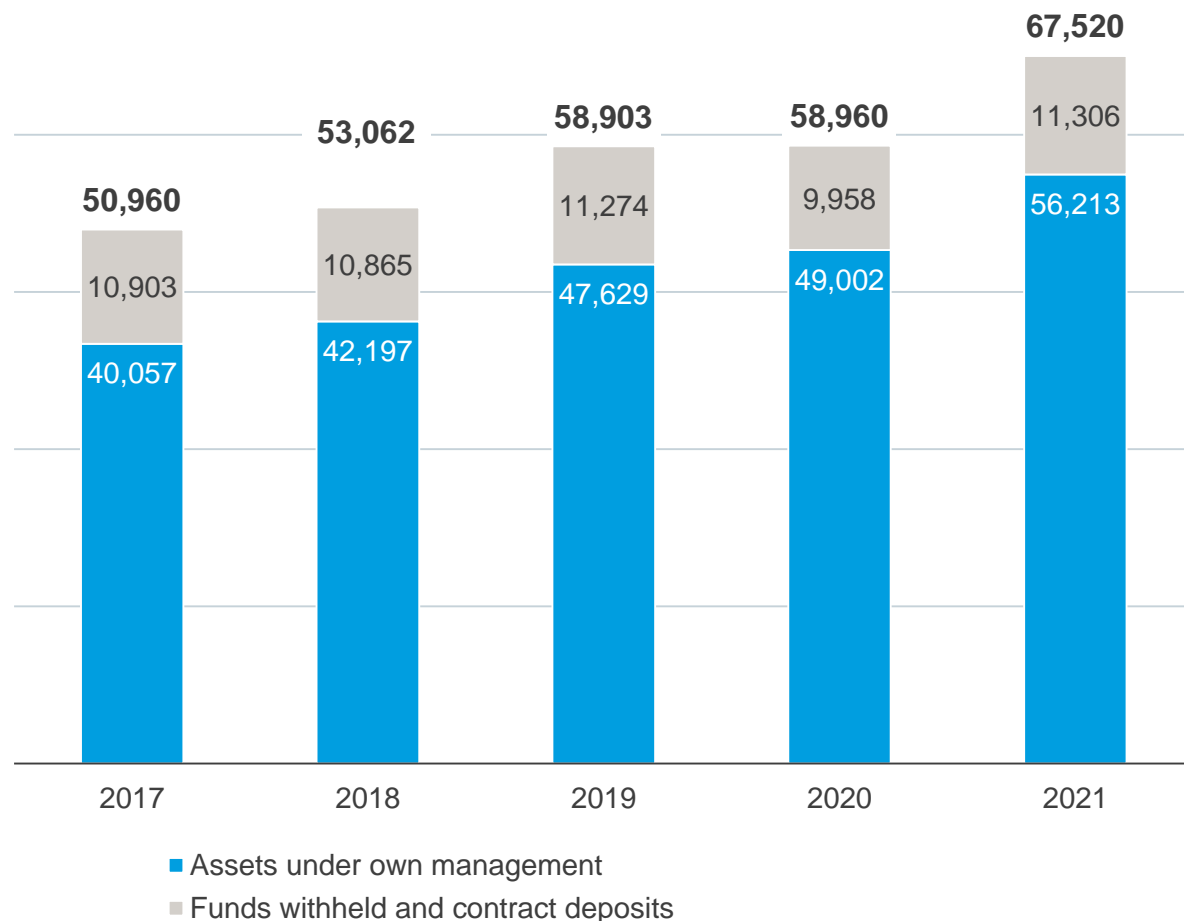
Figures in m. EUR; 2020 restated pursuant to IAS 8

Good net investment income in a volatile market environment

Increase in assets under own management of 14.4%

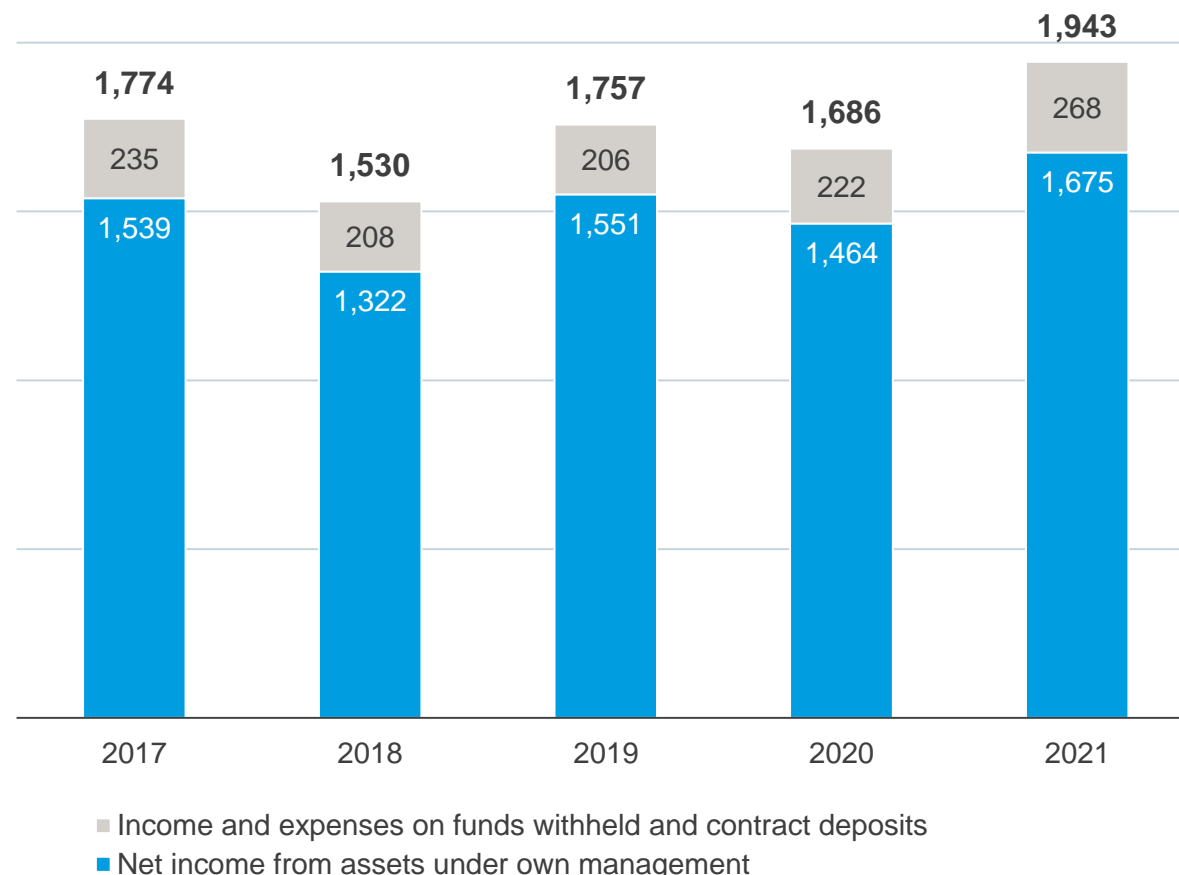
Total investments

in m. EUR



Investment income

in m. EUR



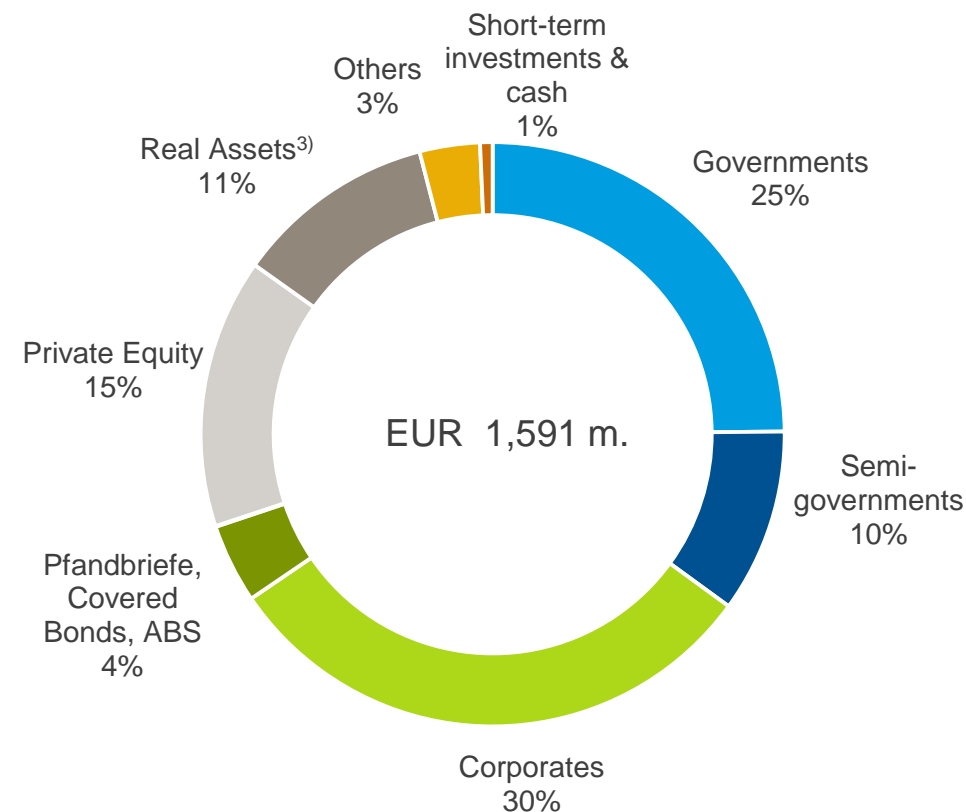
Ordinary return with continued strong support from alternative assets

Slightly more credit risk taking and strong growth of investment volume

Asset allocation¹⁾

Investment category	2017	2018	2019	2020	2021
Fixed-income securities	87%	87%	87%	85%	86%
- Governments	30%	35%	35%	34%	34%
- Semi-governments	17%	16%	15%	15%	14%
- Corporates	32%	29%	31%	30%	32%
Investment grade	27%	25%	26%	25%	28%
Non-investment grade	5%	4%	4%	4%	4%
- Pfandbriefe, Covered bonds, ABS	8%	7%	7%	6%	6% ²⁾
Equities	2%	2%	3%	3%	4%
- Listed equity	<1%	<1%	<1%	1%	1%
- Private equity	2%	2%	2%	3%	3%
Real Assets	5%	6%	5%	5%	5%
Others	1%	1%	2%	3%	2%
Short-term investments & cash	4%	4%	3%	3%	3%
Total market values in bn. EUR	40.5	42.7	48.2	49.8	56.8

Ordinary income split



1) Economic view based on market values without outstanding commitments for Private Equity and Alternative Real Estate as well as fixed-income investments of EUR 1,588.2 m. (EUR 1,275.6 m.) as at 31 December 2021

2) Of which Pfandbriefe and Covered Bonds = 59.8%

3) Before real estate-specific costs. Economic view based on market values as at 31 December 2021

High-quality fixed-income book well balanced

Geographical allocation mainly in accordance with our broad business diversification

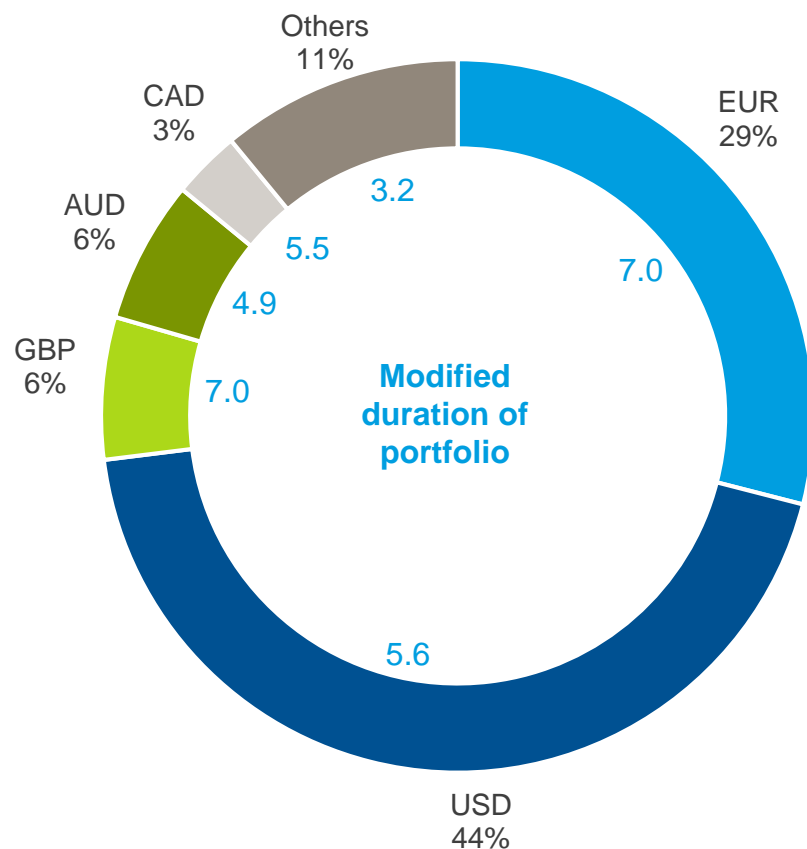
	Governments	Semi-governments	Corporates	Pfandbriefe, Covered bonds, ABS	Short-term investments, cash	Total
AAA	75%	53%	1%	60%	-	43%
AA	10%	24%	11%	14%	-	13%
A	9%	8%	35%	13%	-	19%
BBB	4%	2%	43%	12%	-	19%
<BBB	2%	13%	11%	2%	-	7%
Total	100%	100%	100%	100%	-	100%
Germany	17%	27%	3%	15%	16%	14%
UK	6%	2%	7%	7%	7%	6%
France	3%	2%	7%	7%	4%	4%
GIIPS	1%	1%	4%	3%	0%	2%
Rest of Europe	4%	17%	15%	26%	3%	11%
USA	50%	13%	34%	19%	22%	35%
Australia	5%	5%	6%	12%	12%	6%
Asia	11%	15%	11%	1%	25%	12%
Rest of World	4%	18%	13%	10%	11%	10%
Total	100%	100%	100%	100%	100%	100%
Total b/s values in m. EUR	19,303	7,749	17,574	3,421	1,799	49,846

IFRS figures as at 31 December 2021

Currency allocation matches modelled liability profile

Strict duration-neutral strategy continued

Currency split of investments



- Modified duration of fixed-income mainly congruent with liabilities and currencies
- GBP's higher modified duration predominantly due to life business; EUR driven by hybrid bond issuance

Modified duration

2021	5.8
2020	5.8
2019	5.7
2018	4.8
2017	4.8

Stress tests on assets under own management

Ongoing focus on credit exposures

Portfolio	Scenario	Change in market value in m. EUR	Change in OCI before tax in m. EUR
Equity (listed and private equity)	-10%	-206	-206
	-20%	-412	-412
Fixed-income securities	+50 bps	-1,422	-1,376
	+100 bps	-2,767	-2,676
Credit spreads	+50%	-796	-793

As at 31 December 2021

Agenda

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	<i>Appendix</i>	93

Our capital structure consists not only of equity

Use of hybrids, securitisations etc. lowers cost of capital and levers RoE

- Equity capital is by far the most expensive form of capital. Therefore, we make optimal use of equity substitutes:
 - Conventional reinsurance/retrocession on an opportunistic basis (i. e. use of other reinsurers' capital)
 - Alternative capital market transactions
 - Hybrid capital

Type	Nominal amount	Issue date	Issue ratings S&P / A.M. Best	First call date	Maturity	Coupon rate
Dated subordinated bond ISIN: XS2320745156	EUR 750 m.	2021-03-22	A / -	2031-12-30	2042-06-30	Until 2032-06-30: 1.375% p. a. and thereafter 2.33% p. a. above 3 months EURIBOR
Dated subordinated bond ISIN: XS2198574209	EUR 500 m.	2020-07-08	A / -	2030-07-08	2040-10-08	Until 2030-10-08: 1.75% p. a. and thereafter 3.00% p. a. above 3 months EURIBOR
Dated subordinated bond ISIN: XS2063350925	EUR 750 m.	2019-10-09	A / -	2029-07-09	2039-10-09	Until 2029-10-09: 1.125% p. a. and thereafter 2.38% p. a. above 3 months EURIBOR
Senior unsecured bond ISIN: XS1808482746	EUR 750 m.	2018-04-18	AA- / -	2028-01-18	2028-04-18	Annually on every April 18: 1.125% p. a.
Undated subordinated bond Format: PerpNC10,8 ISIN: XS1109836038	EUR 500 m.	2014-09-15	A / a+	2025-06-26	Perpetual	Until first call date: 3.375% p. a. and thereafter 3.25% p. a. above 3 months EURIBOR
Dated subordinated bond Format: 30,6NC10,6 ISIN: XS0856556807	EUR 500 m.	2012-11-20	A / aa-	2023-06-30	2043-06-30	Until first call date: 5.00% p. a. and thereafter 4.30% p. a. above 3 months EURIBOR

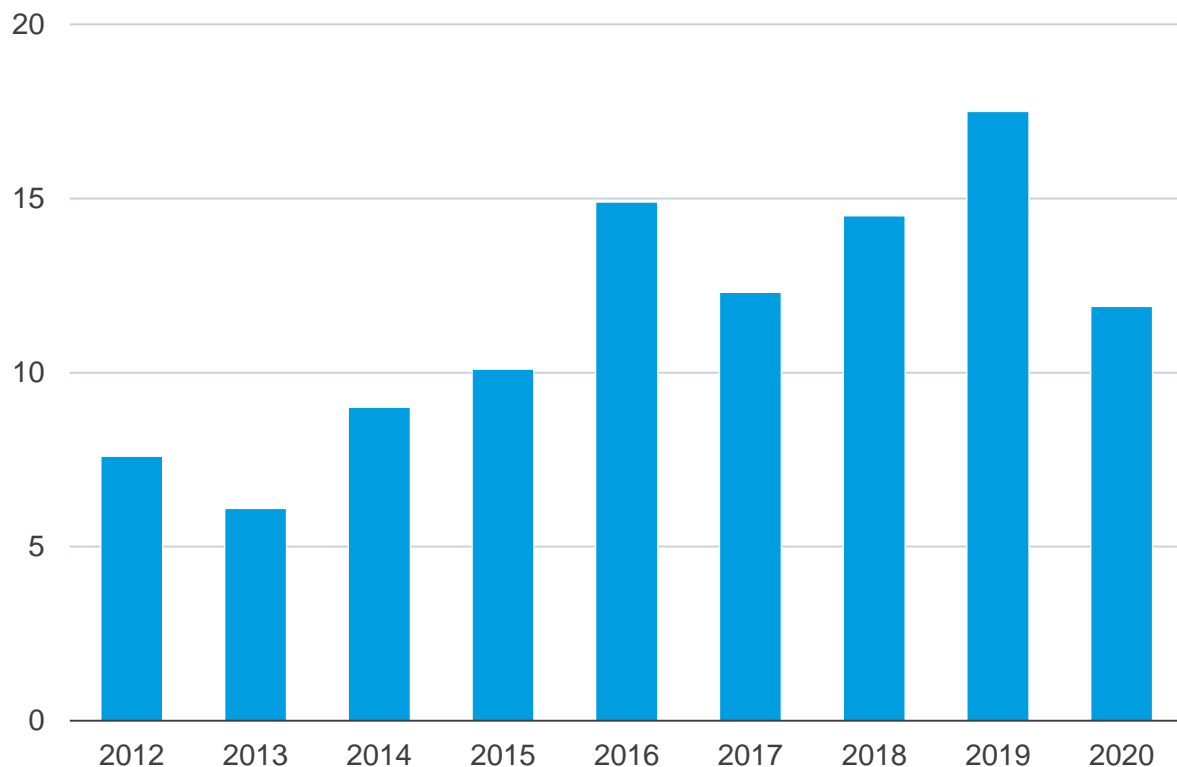
Competitive advantage through low cost of capital (WACC)

Senior bond not recognised as regulatory capital

Leverage ratios support HR's excellent ratings

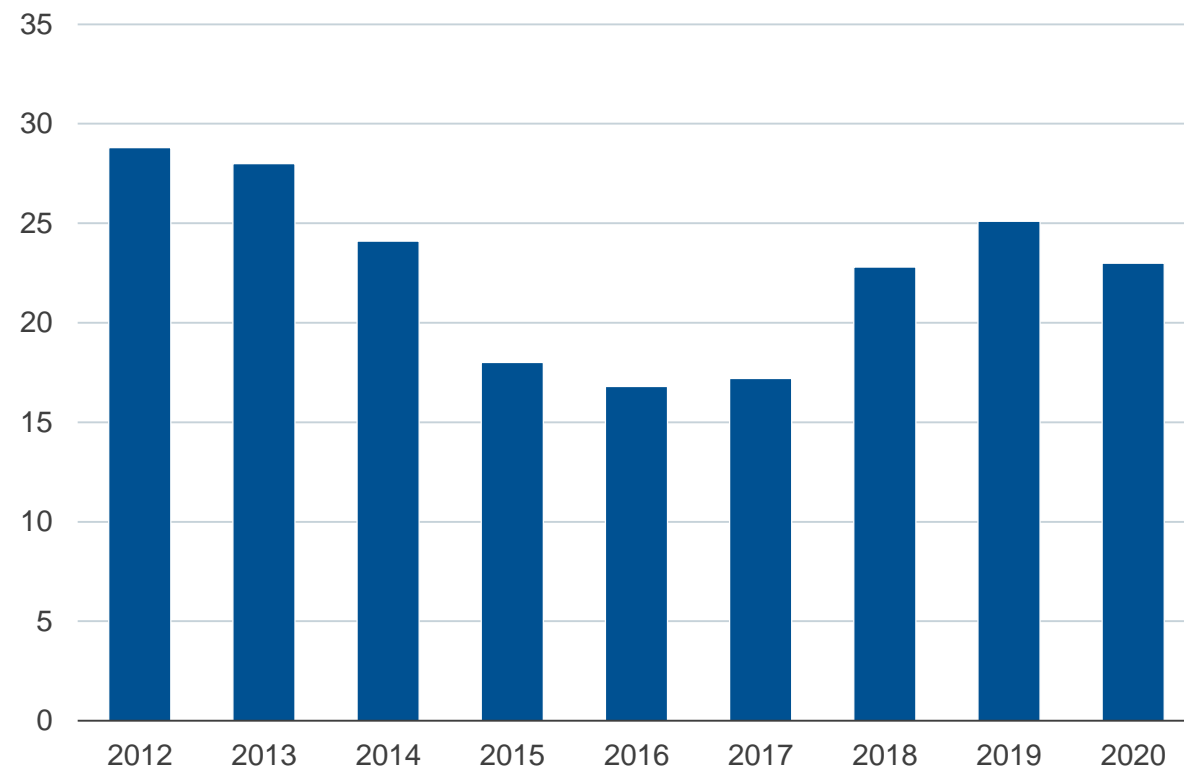
S&P's view on Hannover Re

EBITDA fixed charge coverage (x)¹⁾



Financial leverage²⁾

in %

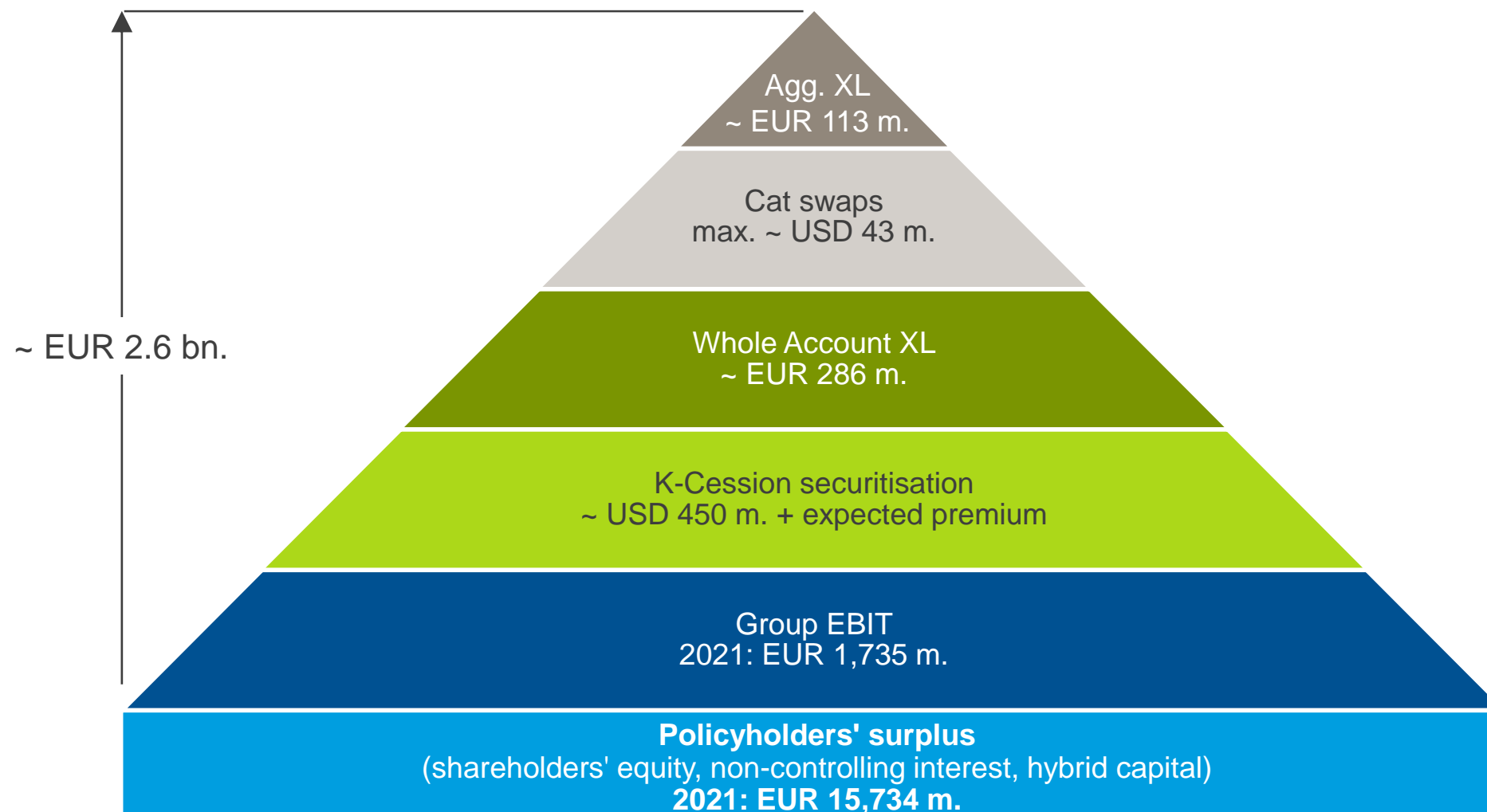


Source: Standard & Poor's rating report of Hannover Re as of 7 July 2021

1) Fixed charge coverage: EBITDA divided by sum of interest expenses and interest on operating lease (S&P definition)

2) Financial leverage: calculated as debt & hybrid capital, pension and operating lease commitments as of economic capital available (S&P definition)

Net risk appetite geared to the desired level with one of the largest retrocession programme in the market



As at March 2022

We pioneered in transferring risks into capital markets via securitisations

Equity Substitutes

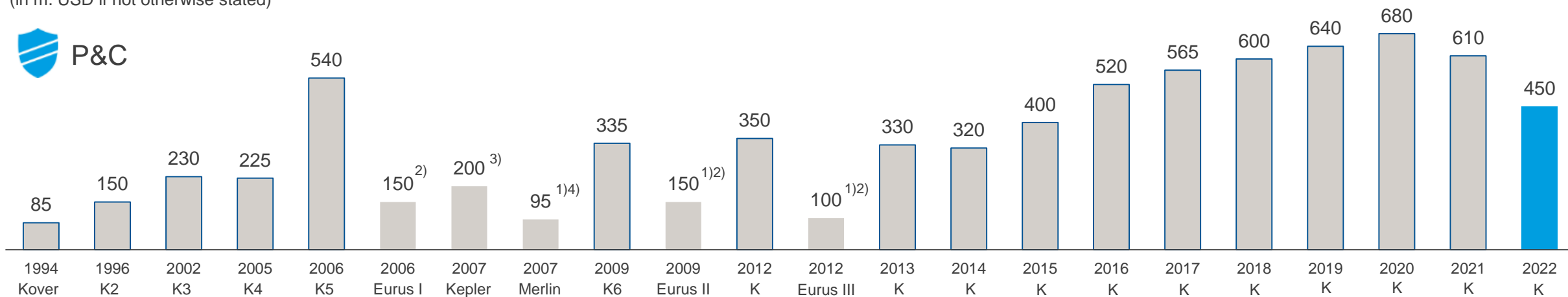
Transactions

(in m. USD if not otherwise stated)

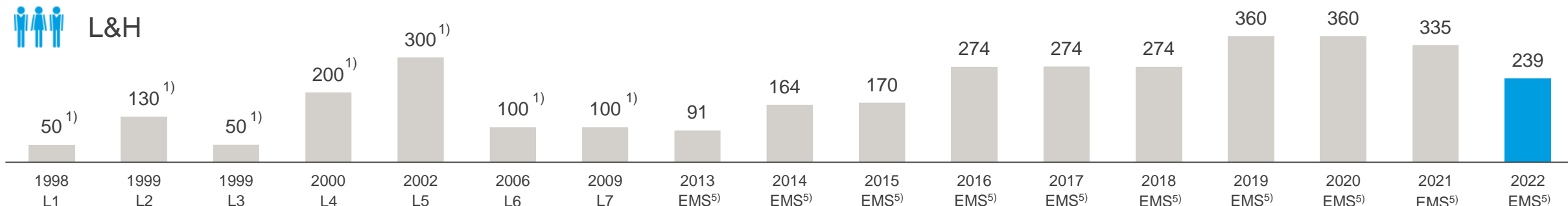
■ Expired transactions ■ On-going transactions ■ Portfolio-linked securitisation (P&C), K-Cessions



P&C



L&H



1) In m. EUR

2) Index-linked securitisation

3) Aggregate XL cover (P&C)

4) Credit-linked floating rate note

5) EMS = Extreme Mortality Swap

- In **1994** Hannover Re pioneered the first securitisation of natural catastrophe risks (**Kover**) followed by further transactions (K2-K6 & K-Cessions)
- In **1998** we started with the first-ever transfer of acquisition costs from L&H business to the capital market (“L” deals, L1-L7)

Financial strength ratings

Group

General Reinsurance Corp.

Hannover Re

Munich Re

XL Bermuda

SCOR

Swiss Re

Transatlantic Re

Everest Re

PartnerRe

Lloyd's

S&P

AA+

AA-

AA-

AA-

AA-¹⁾

AA-¹⁾

A+²⁾

A+

A+

A+

A.M. Best

A++

A+

A+

A+

A+

A+

A+

A+

A+

A

As at 01 April 2022

1) Negative outlook

2) Credit watch with positive implications

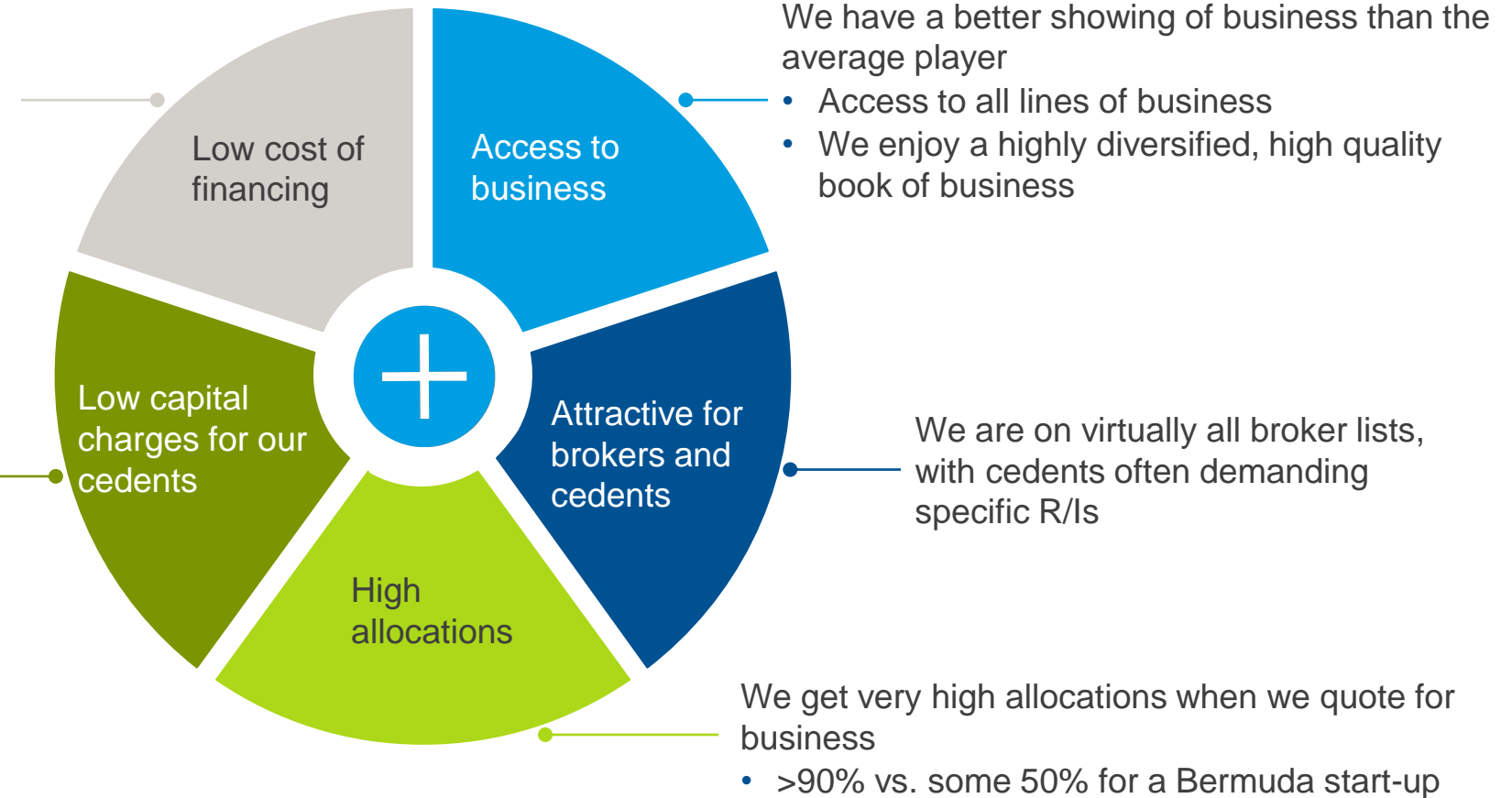
Benefits of an above-average rating

Our cost of financing in the capital markets is lower

- Hybrid bonds trade at tighter spreads
- Better conditions for LoCs and credit lines

We create lower capital charges for our cedents

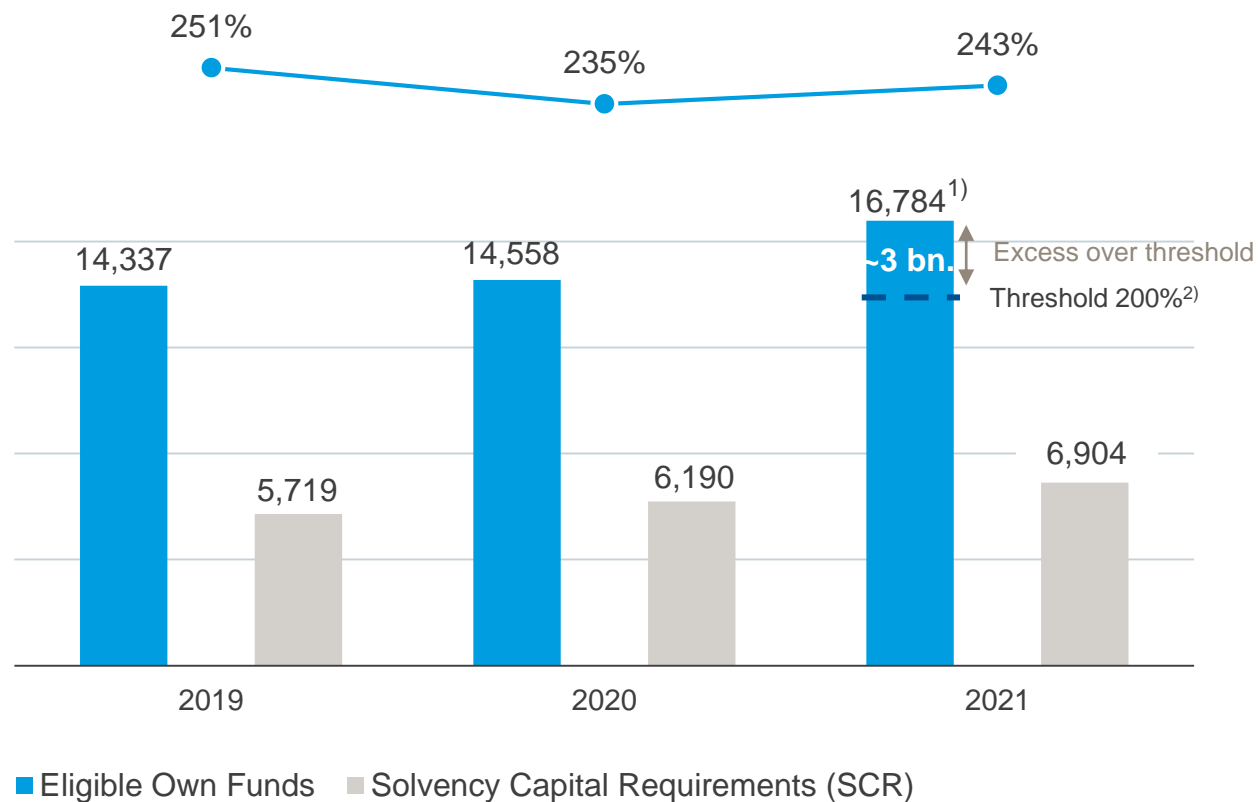
- "AA" range S&P capital charge on reinsurance recoverables = 0.8% ("A" = 1.4%, BBB = 3.1%)
- As an above-average rated R/I, we "minimise" our cedents' cost of capital



Capital adequacy ratio remains well above targets

Increase in SCR driven by business growth and higher asset volumes

Development of the Solvency II ratio



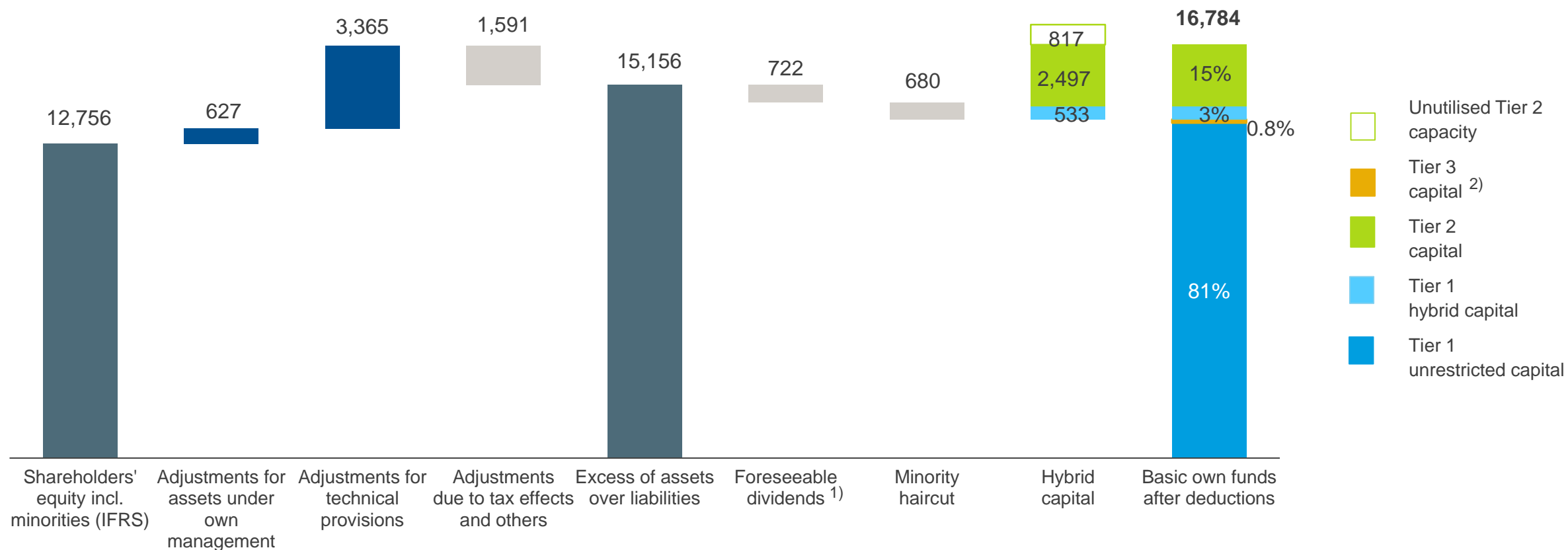
- Increase in eligible own funds due to issuance of new hybrid bond (EUR 750 m.) as well as positive economic impacts and strong operating result
- SCR increased mainly as a result of business growth and higher asset volumes as well as stronger f/x rates compared to EUR
- Increase in excess capital supports further business growth

High-quality capital base with 82% Tier 1

Unutilised Tier 2 provides additional flexibility

Reconciliation of IFRS Shareholders' equity vs. Solvency II own funds

in m. EUR



As at 31 December 2021

1) Foreseeable dividends and distributions incl. non-controlling interests

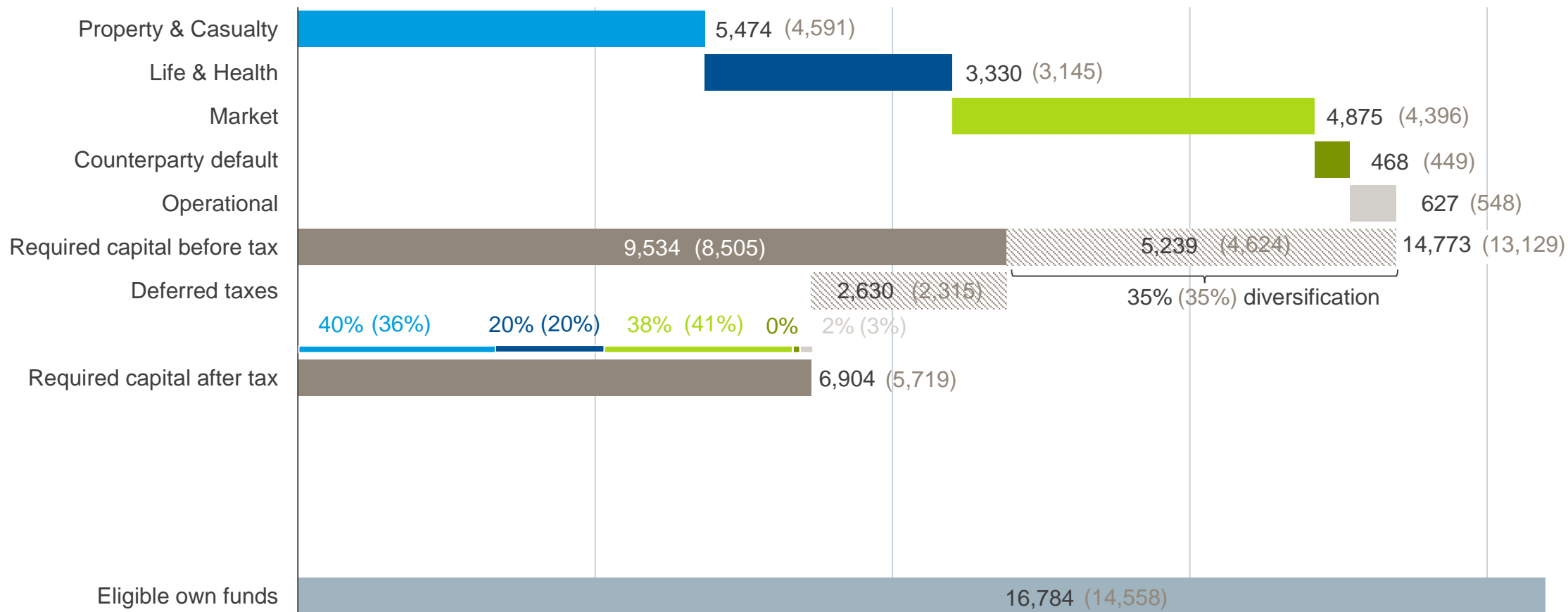
2) Net deferred tax assets

Efficient capital deployment supported by significant diversification

Increase in own funds and capital requirements in line with business growth

Solvency Capital Requirements

in m. EUR

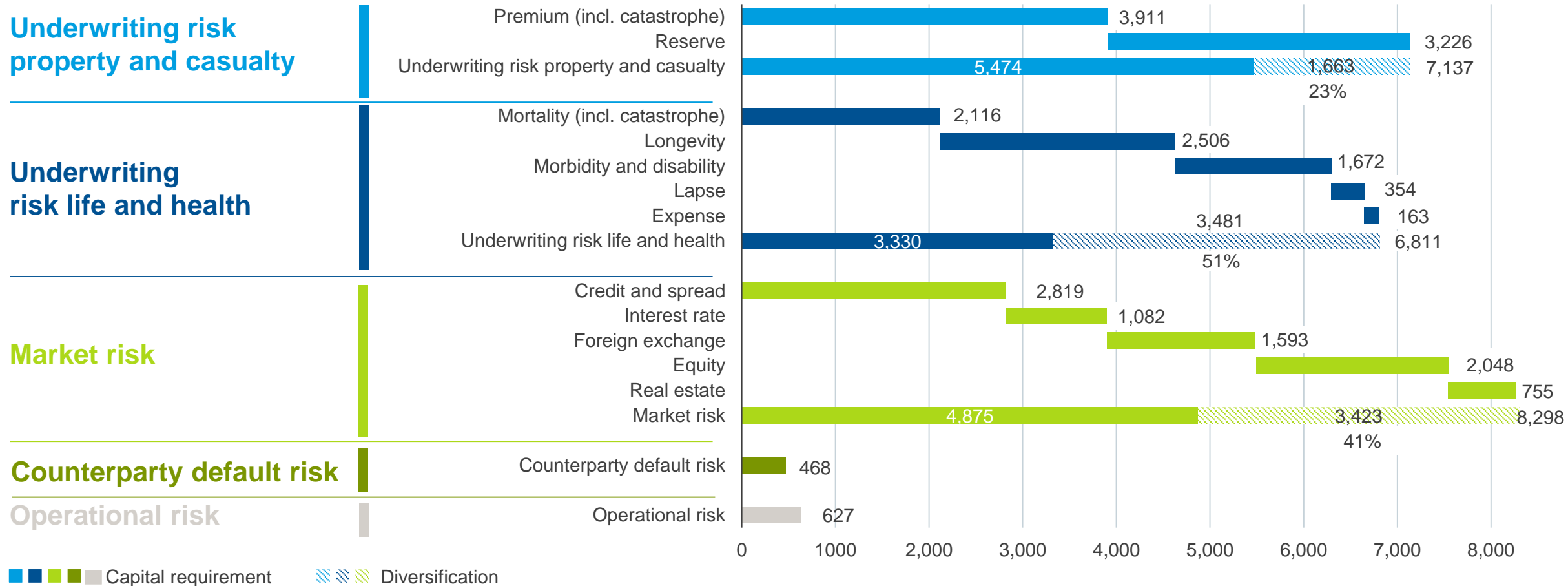


As at 31 December 2021 (2020)
 Solvency capital requirements based on the internal model
 Capital allocation based on Tail Value-at-Risk taking account of the dependencies between risk categories

Hannover Re is well diversified within each risk category and has a well balanced risk profile

Risk capital for the 99.5% VaR (according to economic capital model)

in m. EUR



As at 31 December 2021

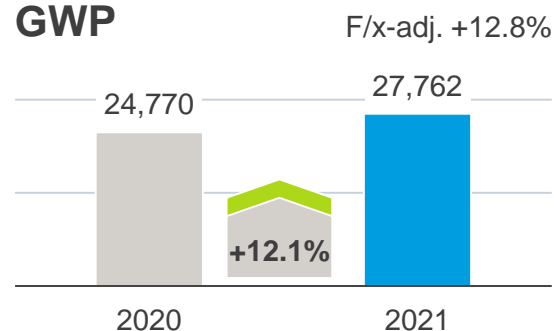
Agenda

1	Hannover Re Group	2
2	Property & Casualty reinsurance	33
3	Life & Health reinsurance	47
4	Investment management	61
5	Capital management	68
6	Annual results 2021	79
7	Outlook	89
	<i>Appendix</i>	93

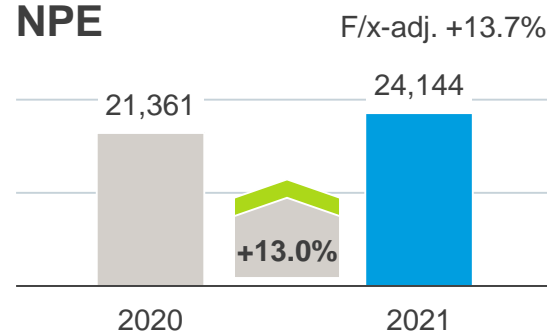
Strong results despite large losses and Covid-19 impact in L&H

Total dividend proposal increased to EUR 5.75

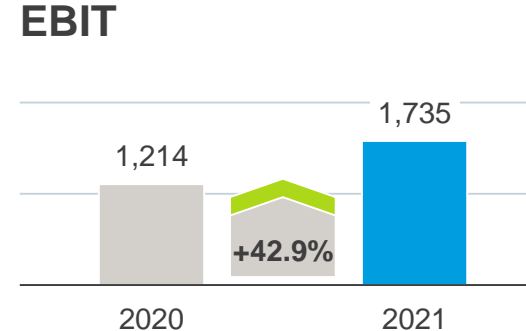
GWP



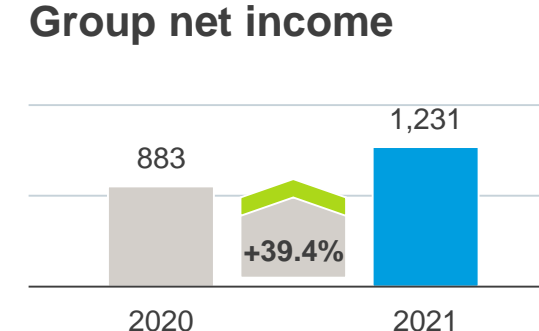
NPE



EBIT



Group net income



10.8%

Return on Equity
above target of 9.0%

98.55 EUR

Book value per share
+8.1%

243%

Solvency II ratio
31.12.2021



P&C Reinsurance

EBIT: 1,512 m.

- Strong and diversified premium growth (f/x-adj. +16.3%)
- C/R at 97.7% above target due to large losses of EUR 1,250 m. exceeding the full-year budget by EUR 150 m. (0.9% of NPE)
- Prudent reserving at year-end, also in light of inflation
- Covid-19 net loss estimate unchanged since year-end 2020 at EUR 950 m.

Figures in m. EUR, unless otherwise stated; 2020 restated pursuant to IAS 8



L&H Reinsurance

EBIT: 223 m.

- Favourable premium growth (f/x-adj. +5.5%)
- EBIT impacted by Covid-19 mortality claims of EUR 582 m.
- Positive one-off effects from restructuring within US mortality portfolio in Q1 (EUR 132 m.) and from Longevity in Q3 and Q4 (EUR 122 m.)



Investments

NII: 1,675 m.

- AuM up by 14.7% to EUR 56.2 bn., mainly driven by very strong operating cash flow
- RoI from AuM: 3.2%, above target of 2.4%
- Net investment income +14.4%, driven by very strong ordinary investment income, supported by contribution from inflation-linked bonds and alternative investments

Continued strong growth in an attractive market environment

Favourable underwriting result despite high large-loss activity

Property & Casualty R/I in m. EUR	Q4/2020	Q4/2021	2020	2021
Gross written premium	3,396	3,955	16,744	19,224
Net premium earned	3,693	4,548	14,205	16,624
Net underwriting result incl. funds withheld	(78)	131	(224)	383
Combined ratio incl. interest on funds withheld	102.1%	97.1%	101.6%	97.7%
Net investment income from assets under own management	270	338	937	1,295
Other income and expenses	42	(17)	109	(166)
Operating profit/loss (EBIT)	235	451	823	1,512
Tax ratio	10.3%	18.6%	21.0%	23.8%
Group net income	197	343	615	1,082
Earnings per share (in EUR)	1.63	2.85	5.10	8.98

YTD

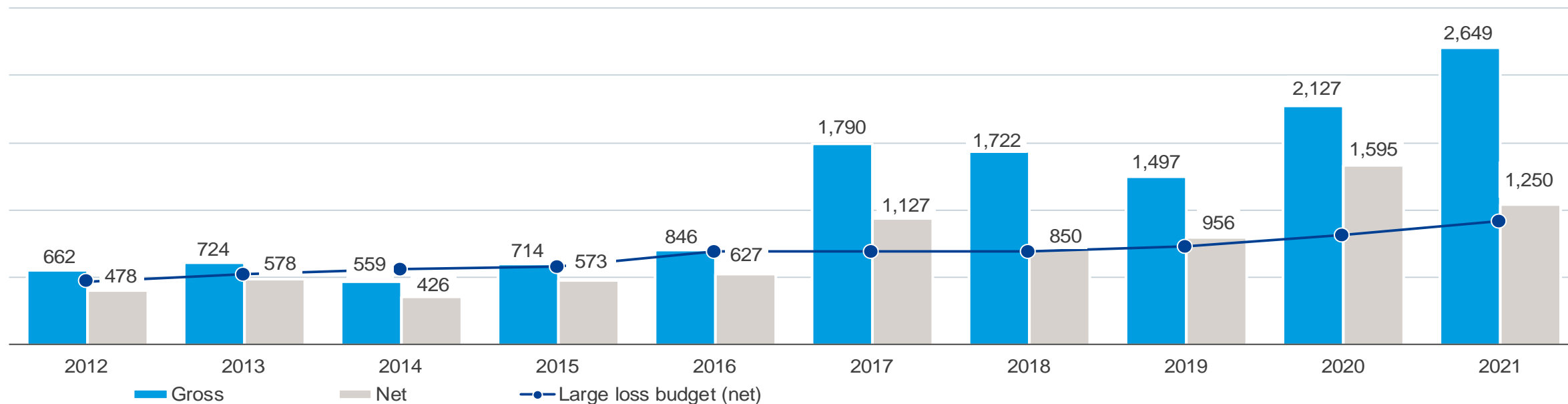
- GWP f/x-adjusted +16.3%, diversified growth from traditional and structured reinsurance business
- NPE f/x-adjusted +18.4%
- Net large losses of EUR 1,250 m. (7.5% of NPE) above budget of EUR 1,100 m.
- Covid-19 net loss estimate unchanged at EUR 950 m.
- Prudent reserving at year-end, also in light of inflation
- Increase in net investment income predominantly driven by strong ordinary investment income
- Other income and expenses decreased mainly due to negative currency effects of EUR -80 m. (2020: EUR 166 m.)
- EBIT growth +83.7%

2020 restated pursuant to IAS 8

Large-loss budget exceeded by EUR 150 m. Significant relief from our retrocession programme

Natural and man-made catastrophe losses¹⁾

in m. EUR



Natural and man-made catastrophe losses in % of Property & Casualty premium

9%	7%	9%	8%	7%	6%	8%	7%	9%	8%	17%	12%	14%	8%	10%	7%	13%	11%	14%	8%
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Large loss budget (net) in m. EUR

560	625	670	690	825	825	825	875	975	1,100
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1) Claims > EUR 10 m. gross

Large-loss budget 2021 exceeded for both NatCat and man-made losses

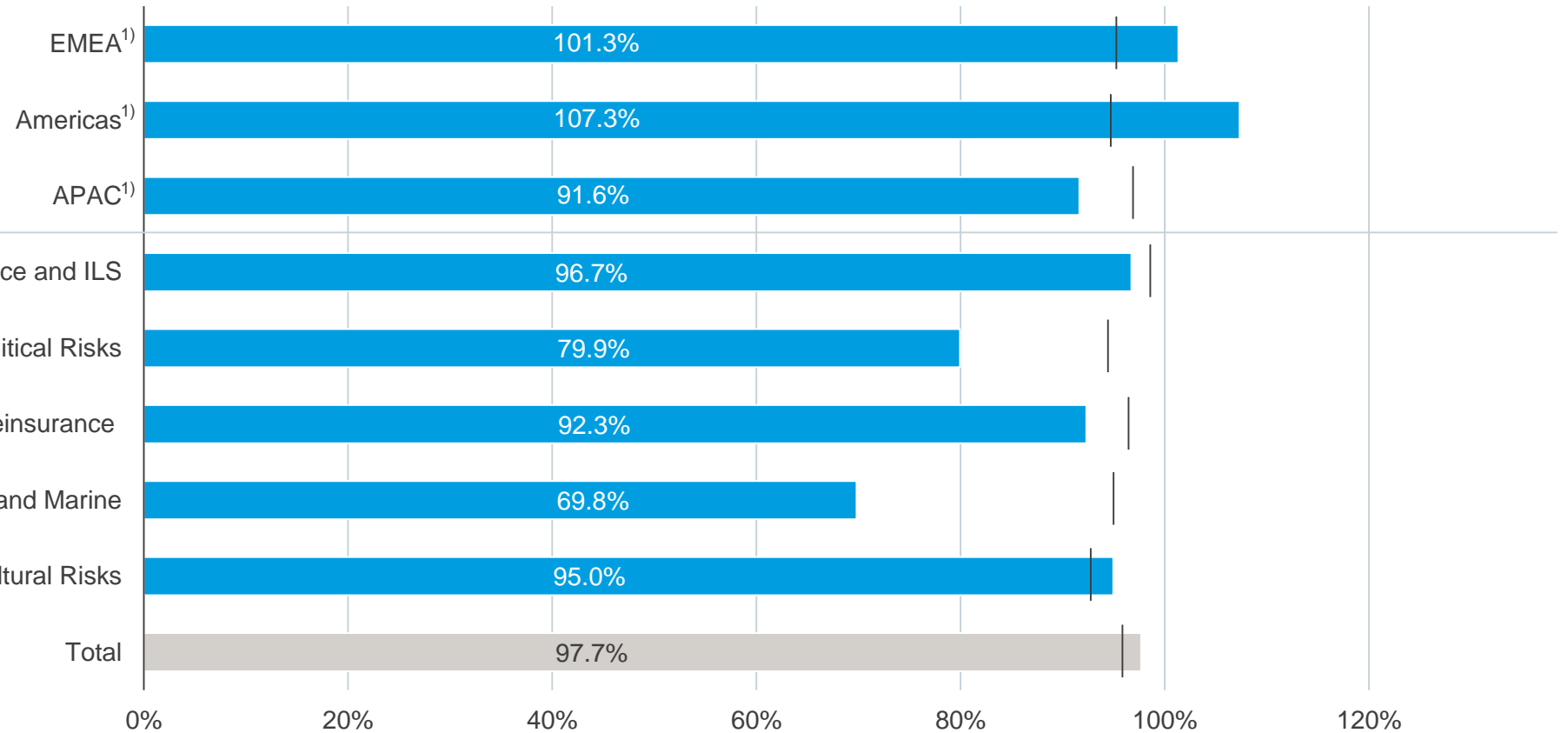
Catastrophe losses ¹⁾ in m. EUR	Date	Gross	Net
Storm "Filomena", Spain	7 - 8 Jan	16.6	15.1
Texas winter storm/freeze, USA	11 - 21 Feb	310.5	156.0
Earthquake, Japan	13 - 14 Feb	14.8	14.3
Floods, Australia	18 - 23 Mar	17.6	12.7
Drought, Canada	1 Apr	14.0	13.1
Freeze, France	7 Apr	10.7	10.6
Cyclone "Seroja", Australia	11 - 14 Apr	14.3	13.4
Storm "Volker", Germany	21 - 25 Jun	113.3	69.6
Storm "Xero", Germany, Switzerland, Austria	28 Jun - 1 Jul	13.1	10.6
Flood "Bernd", Europe	8 - 16 Jul	801.8	208.4
Wildfire, USA	13 Jul - 25 Oct	18.4	11.5
Rain and flood, China	16 - 22 Jul	42.1	34.8
Hurricane "Ida", USA	26 Aug - 4 Sep	790.6	304.9
Storm, Australia	25 - 30 Oct	35.3	23.1
Tornados, USA	10 - 11 Dec	111.9	65.6
15 Natural catastrophes		2,325.0	963.6
2 Aviation losses		32.5	15.9
3 Marine losses		47.9	30.2
1 Credit loss		21.5	21.5
8 Property losses		222.4	219.0
14 Man-made losses		324.4	286.6
29 Major losses		2,649.5	1,250.2

1) Natural catastrophes and other major losses in excess of EUR 10 m. gross
 Large loss budget 2021: EUR 1,100 m. thereof EUR 225 m. man-made and EUR 875 m. NatCat

Combined ratios in EMEA and Americas impacted by large losses

2021: Combined ratio vs. target combined ratios

Regional markets



Worldwide markets

■ Combined ratio | Target combined ratio

1) All lines of Property & Casualty reinsurance except those stated separately

Favourable premium growth

Result impacted by Covid-19 losses – strong earnings in Financial Solutions

Life & Health R/I in m. EUR	Q4/2020	Q4/2021	2020	2021
Gross written premium	2,079	2,188	8,026	8,538
Net premium earned	1,896	1,962	7,155	7,519
Net underwriting result incl. funds withheld	(174)	(279)	(467)	(595)
Net investment income from assets under own management	172	195	524	379
Other income and expenses	79	88	336	439
Operating profit/loss (EBIT)	78	3	393	223
EBIT margin	4.1%	0.2%	5.5%	3.0%
Tax ratio	57.1%	-	15.5%	10.9%
Group net income	32	47	329	197
Earnings per share (in EUR)	0.27	0.39	2.73	1.63

YTD

- GWP f/x-adjusted +5.5% across all business lines
- NPE f/x-adjusted growth +4.4%
- Underwriting result impacted by Covid-19 losses of EUR 582 m. (thereof US: EUR 290 m., South Africa: EUR 192 m.), partly offset by positive extraordinary effects from reserve releases in Longevity in Q3 and Q4 (EUR 122 m.) and from restructuring within US mortality portfolio in Q1 (EUR 132 m.)
- Net investment income decreased due to lower realised gains and valuation of reinsurance derivatives; prior year includes extraordinary valuation gain from at-equity participation
- Fair value of financial instruments includes positive valuation effect of EUR 44 m. from extreme mortality cover
- Other income and expenses: Continued strong contribution from deposit accounted treaties of EUR 387 m. (2020: EUR 337 m.) and positive one-off effect from restructuring within US mortality portfolio in Q1

2020 restated pursuant to IAS 8

Very strong return on investment of 3.2% clearly exceeding target of 2.4%

Increased ordinary income from alternative investments and inflation-linked bonds

in m. EUR	Q4/2020	Q4/2021	2020	2021	RoI
Ordinary investment income ¹⁾	344	486	1,329	1,591	3.0%
Realised gains/losses	138	43	330	281	0.5%
Impairments/appreciations & depreciations	(28)	(36)	(129)	(88)	-0.2%
Change in fair value of financial instruments (through P&L)	23	85	64	36	0.1%
Investment expenses	(34)	(45)	(129)	(146)	-0.3%
NII from assets under own management	443	532	1,464	1,675	3.2%
NII from funds withheld	58	54	222	268	
Total net investment income	500	586	1,685	1,943	
Unrealised gains/losses of investments			31 Dec 20	31 Dec 21	
On-balance sheet			3,019	2,310	
thereof Fixed income AFS			2,347	1,299	
Off-balance sheet			551	629	
thereof Fixed income HTM, L&R			211	148	
Total			3,570	2,939	

YTD

- Very pleasing increase in ordinary income from alternative investments, inflation-linked bonds and higher asset volume
- Realised gains include disposal of parts of listed-equity portfolio in Q1, disposal gains on real estate as well as impact of credit reallocations due to strategic and regular portfolio adjustments
- Stable depreciation of direct real estate investments; overall impairments at moderate levels
- Change in fair value of financial instruments through P&L impacted by valuation of reinsurance-related derivatives
- Decrease in valuation reserves due to higher minimal-risk yield curves; credit spreads on corporates on low level with hardly any changes; higher valuations in alternative investments; stable reserves on real estates, positive contribution from inflation-linked bonds

1) Incl. results from associated companies

Our business groups at a glance

2021 vs. 2020

in m. EUR	Property & Casualty R/I			Life & Health R/I			Total		
	2020	2021	Δ	2020	2021	Δ	2020	2021	Δ
Gross written premium	16,744	19,224	+14.8%	8,026	8,538	+6.4%	24,770	27,762	+12.1%
Net premium earned	14,205	16,624	+17.0%	7,155	7,519	+5.1%	21,361	24,144	+13.0%
Net underwriting result	(274)	335	-	(639)	(814)	+27.5%	(913)	(479)	-47.5%
Net underwriting result incl. funds withheld	(224)	383	-	(467)	(595)	+27.2%	(691)	(211)	-69.4%
Net investment income	987	1,343	+36.0%	695	599	-13.9%	1,685	1,943	+15.3%
From assets under own management	937	1,295	+38.2%	524	379	-27.7%	1,464	1,675	+14.4%
From funds withheld	50	49	-3.8%	171	220	+28.3%	222	268	+21.0%
Other income and expenses	109	(166)	-	336	439	+30.5%	441	271	-38.6%
Operating profit/loss (EBIT)	823	1,512	+83.7%	393	223	-43.2%	1,214	1,735	+42.9%
Financing costs	(2)	(2)	-0.6%	(2)	(2)	-0.7%	(90)	(83)	-7.9%
Net income before taxes	821	1,510	+84.0%	392	222	-43.4%	1,124	1,652	+47.0%
Taxes	(172)	(360)	+109.0%	(61)	(24)	-60.4%	-205	(352)	+71.4%
Net income	649	1,150	+77.3%	331	198	-40.2%	919	1,300	+41.5%
Non-controlling interest	34	68	+100.0%	2	1	-41.8%	36	69	+92.9%
Group net income	615	1,082	+76.1%	329	197	-40.2%	883	1,231	+39.4%
Retention	90.3%	90.1%		89.8%	88.2%		90.1%	89.5%	
Combined ratio (incl. interest on funds withheld)	101.6%	97.7%		-	-		-	-	
EBIT margin (EBIT / Net premium earned)	5.8%	9.1%		5.5%	3.0%		5.7%	7.2%	
Tax ratio	21.0%	23.8%		15.5%	10.9%		18.2%	21.3%	
Earnings per share (in EUR)	5.10	8.98		2.73	1.63		7.32	10.21	

2020 restated pursuant to IAS 8

Our business groups at a glance

Q4/2021 vs. Q4/2020

in m. EUR	Property & Casualty R/I			Life & Health R/I			Total		
	Q4/2020	Q4/2021	Δ	Q4/2020	Q4/2021	Δ	Q4/2020	Q4/2021	Δ
Gross written premium	3,396	3,955	+16.4%	2,079	2,188	+5.2%	5,475	6,143	+12.2%
Net premium earned	3,693	4,548	+23.1%	1,896	1,962	+3.5%	5,589	6,510	+16.5%
Net underwriting result	(87)	115	-	(222)	(317)	+42.5%	(309)	(202)	-34.7%
Net underwriting result incl. funds withheld	(78)	131	-	(174)	(279)	+60.5%	(252)	(148)	-41.1%
Net investment income	279	354	+26.7%	221	232	+5.2%	500	586	+17.1%
From assets under own management	270	338	+25.1%	172	195	+12.9%	443	532	+20.2%
From funds withheld	9	16	+72.8%	48	38	-22.2%	58	54	-6.9%
Other income and expenses	42	-17	-141.0%	79	88	+10.9%	120	70	-41.6%
Operating profit/loss (EBIT)	235	451	+92.4%	78	3	-95.9%	311	454	+45.9%
Financing costs	(1)	(1)	+3.4%	(0)	(0)	-12.4%	(19)	(22)	+15.8%
Net income before taxes	234	451	+92.6%	77	3	-96.4%	293	433	+47.9%
Taxes	(24)	(84)	-	(44)	44	-	(63)	(33)	-47.3%
Net income	210	367	+74.8%	33	47	+42.7%	229	399	+74.1%
Non-controlling interest	13	24	+77.5%	1	0	-62.7%	14	24	+69.8%
Group net income	197	343	+74.6%	32	47	+45.3%	215	375	+74.4%
Retention	90.1%	89.1%		90.7%	88.0%		90.3%	88.7%	
Combined ratio (incl. interest on funds withheld)	102.1%	97.1%		-	-		-	-	
EBIT margin (EBIT / Net premium earned)	6.3%	9.9%		4.1%	0.2%		5.6%	7.0%	
Tax ratio	10.3%	18.6%		57.1%	-		21.6%	7.7%	
Earnings per share (in EUR)	1.63	2.85		0.27	0.39		1.78	3.11	

2020 restated pursuant to IAS 8

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	<i>Appendix</i>	93

Profitability above margin requirements in Property & Casualty

Financial year 2022

	Reporting categories	Volume ¹⁾	Profitability ²⁾
Regional markets	EMEA ³⁾	↘ ⁴⁾	+
	Americas ³⁾	↗	+
	APAC ³⁾	→	+/-
	Structured Reinsurance and ILS	↗	+
Worldwide markets	Credit, Surety and Political Risks	↗	+/-
	Facultative Reinsurance	↗	+
	Aviation and Marine	↘ ⁴⁾	+
	Agricultural Risks	↗	+/-

1) In EUR, development in original currencies can be different

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

3) All lines of business except those stated separately

4) Decreasing premium volume due to reduced mandatory cession from HDI Global Specialty

Profitability in Life & Health further impacted by Covid-19

Financial year 2022

Reporting categories

Volume¹⁾

Profitability²⁾

Financial solutions



³⁾

++

Longevity



+

Mortality



-

Morbidity



-

1) In EUR, development in original currencies can be different

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

3) Business volume including contracts not reflected in premium income

Guidance for 2022

Hannover Re Group

- Gross written premium¹⁾ _____ $\geq 5\%$
- Return on investment²⁾ _____ $\geq 2.3\%$
- Group net income²⁾ _____ EUR 1.4 - 1.5 bn.
- Ordinary dividend _____ \geq prior year
- Special dividend _____ if capitalisation exceeds capital requirements for future growth and profit targets are achieved

1) At unchanged f/x rates

2) Subject to no major distortions in capital markets and/or major losses in 2022 not exceeding the large loss budget of EUR 1.4 bn. and no material Covid-19 impact in L&H

Agenda

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5	Capital management	68
6	Annual results 2021	79
7	Outlook	89
	<i>Appendix</i>	93

Financial calendar and our Investor Relations contacts



4 May 2022

Annual General Meeting
Quarterly Statement as at 31 March 2022



Karl Steinle

General Manager

Phone: +49 511 5604 - 1500
karl.steinle@hannover-re.com



4 August 2022

Half-yearly report as at 30 June 2022



Axel Bock

Senior Investor Relations Manager

Phone: +49 511 5604 - 1736
axel.bock@hannover-re.com



6 October 2022

Investors' Day 2022



3 November 2022

Quarterly Statement as at 30 September 2022



Rebekka Brust

Deputy Investor Relations Manager

Phone: +49 511 5604 - 1530
rebekka.brust@hannover-re.com



8 February 2023

1 January P&C Treaty Renewals

Basic information on the Hannover Re share

Basic information

International Securities Identification Number (ISIN)	DE 000 840 221 5
Ticker symbols	
-Bloomberg	HNR1
-Thomson Reuters	HNRGn
-ADR	HVRRY
Exchange listings	
-Germany	Xetra, Frankfurt, Munich, Stuttgart, Hamburg, Berlin, Düsseldorf, Hannover (official trading: Xetra, Frankfurt and Hannover)
-USA	American Depositary Receipts (Level 1 ADR programme; 2 ADR = 1 share)
Market segment	Prime Standard
Index inclusion	MDAX
First listed	30 November 1994
Number of issued shares ¹⁾	120,597,134
Common shares ¹⁾	EUR 120,597,134
Share class	No-par-value registered shares

1) As at 31 December 2020

Details on reserve review by Willis Towers Watson

- The scope of Willis Towers Watson's work was to review certain parts of the held loss and loss adjustment expense reserve, net of outwards reinsurance, from Hannover Rück SE's consolidated financial statements in accordance with IFRS as at each 31 December from 2009 to 2015, and the implicit redundancy margin, for the non-life business of Hannover Rück SE. Willis Towers Watson concludes that the reviewed loss and loss adjustment expense reserve, net of reinsurance, less the redundancy margin is reasonable in that it falls within Willis Towers Watson's range of reasonable estimates.
 - Life reinsurance and health reinsurance business are excluded from the scope of this review.
 - Willis Towers Watson's review of non-life reserves as at 31 December 2015 covered 98.2%/98.1% of the gross and net held non-life reserves of €22.8 billion and € 21.8 billion respectively. Together with life reserves of gross €3.7 billion and net €3.4 billion, the total balance sheet reserves amount to €26.6 billion gross and €25.2 billion net.
 - The results shown in this presentation are based on a series of assumptions as to the future. It should be recognised that actual future claim experience is likely to deviate, perhaps materially, from Willis Towers Watson's estimates. This is because the ultimate liability for claims will be affected by future external events; for example, the likelihood of claimants bringing suit, the size of judicial awards, changes in standards of liability, and the attitudes of claimants towards the settlement of their claims.
 - The results shown in Willis Towers Watson's reports are not intended to represent an opinion of market value and should not be interpreted in that manner. The reports do not purport to encompass all of the many factors that may bear upon a market value.
 - Willis Towers Watson's analysis was carried out based on data as at evaluation dates for each 31 December from 2009 to 2015. Willis Towers Watson's analysis may not reflect development or information that became available after the valuation dates and Willis Towers Watson's results, opinions and conclusions presented herein may be rendered inaccurate by developments after the valuation dates.
 - As is typical for reinsurance companies, the claims reporting can be delayed due to late notifications by some cedants. This increases the uncertainty in the estimates.
 - Hannover Rück SE has asbestos, environmental and other health hazard (APH) exposures which are subject to greater uncertainty than other general liability exposures. Willis Towers Watson's analysis of the APH exposures assumes that the reporting and handling of APH claims is consistent with industry benchmarks. However, there is wide variation in estimates based on these benchmarks. Thus, although Hannover Rück SE's held reserves show some redundancy compared to the indications, the actual losses could prove to be significantly different to both the held and indicated amounts.
 - Willis Towers Watson has not anticipated any extraordinary changes to the legal, social, inflationary or economic environment, or to the interpretation of policy language, that might affect the cost, frequency, or future reporting of claims. In addition, Willis Towers Watson's estimates make no provision for potential future claims arising from causes not substantially recognised in the historical data (such as new types of mass torts or latent injuries, terrorist acts), except in so far as claims of these types are included incidentally in the reported claims and are implicitly developed.
 - In accordance with its scope Willis Towers Watson's estimates are on the basis that all of Hannover Rück SE's reinsurance protection will be valid and collectable. Further liability may exist for any reinsurance that proves to be irrecoverable.
 - Willis Towers Watson's estimates are in Euros based on the exchange rates provided by Hannover Rück SE as at each 31 December evaluation date. However, a substantial proportion of the liabilities is denominated in foreign currencies. To the extent that the assets backing the reserves are not held in matching currencies, future changes in exchange rates may lead to significant exchange gains or losses.
 - Willis Towers Watson has not attempted to determine the quality of Hannover Rück SE's current asset portfolio, nor has Willis Towers Watson reviewed the adequacy of the balance sheet provisions except as otherwise disclosed herein.
- In its review, Willis Towers Watson has relied on audited and unaudited data and financial information supplied by Hannover Rück SE and its subsidiaries, including information provided orally. Willis Towers Watson relied on the accuracy and completeness of this information without independent verification.
- Except for any agreed responsibilities Willis Towers Watson may have to Hannover Rück SE, Willis Towers Watson does not assume any responsibility and will not accept any liability to any person for any damages suffered by such person arising out of this commentary or references to Willis Towers Watson in this document.

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