

Hannover Re: the somewhat different reinsurer

February 2023

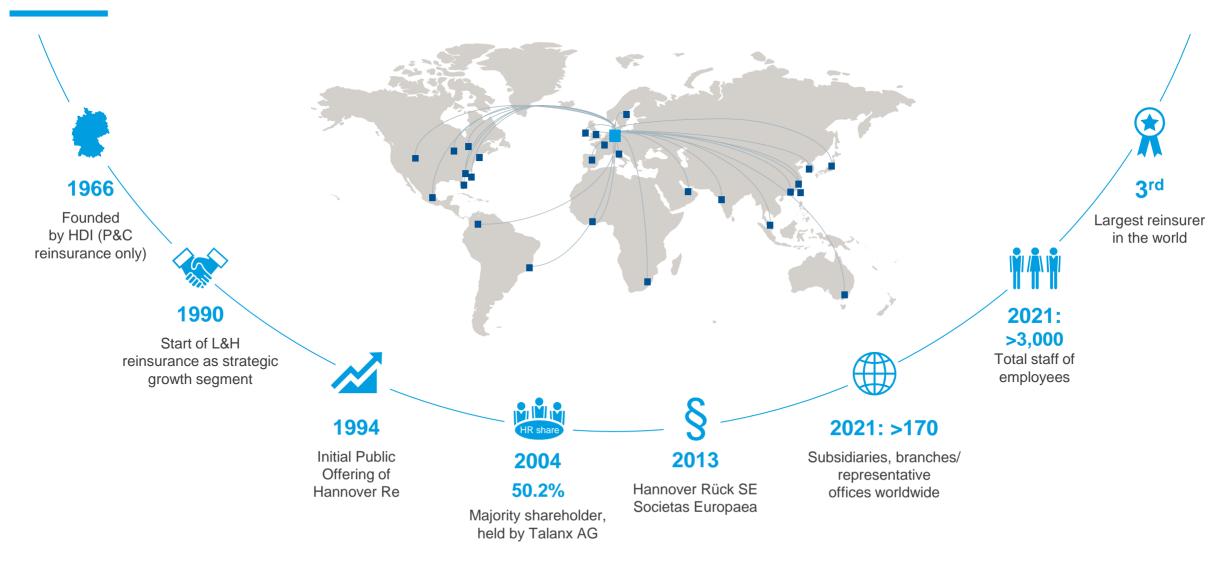


Agenda

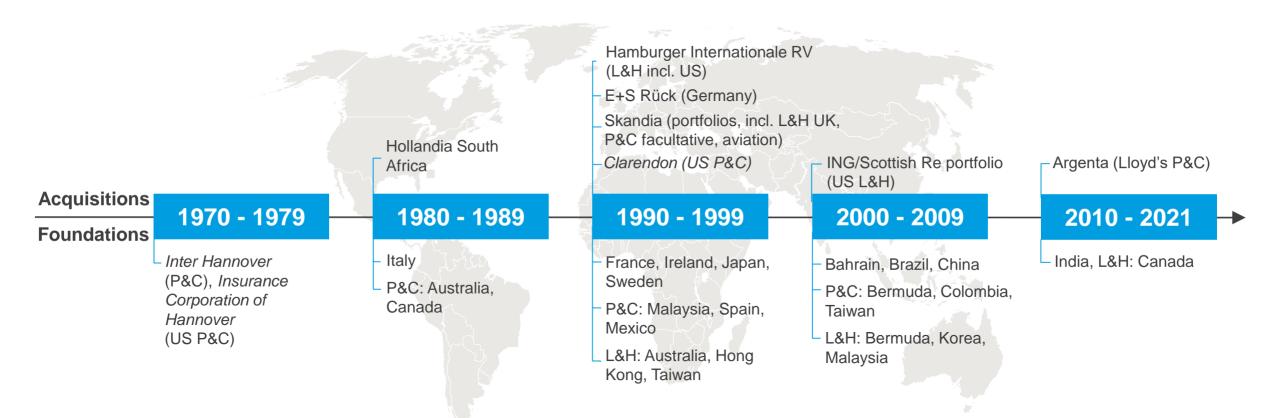
1	Hannover Re Group	2
2	Property & Casualty reinsurance	33
3	Life & Health reinsurance	45
4	Investment management	59
5	Capital management	66
6	Interim results Q1-3/2022	78
7	Outlook	89
	Appendix	92



Key facts about Hannover Re



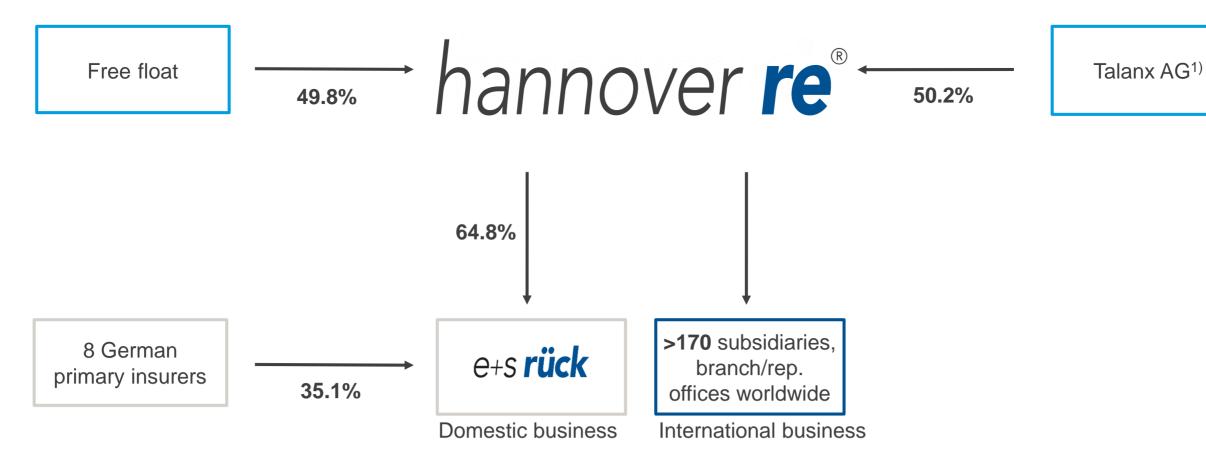
Growth and international expansion mainly organically driven M&A activity not accompanied by high integration cost and complexity



Limited appetite for larger M&A results in lean and efficient structures

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



Jean-Jacques Henchoz Chief Executive Officer

Group Operations and Strategy, Information Technology, Facility Management, Human Resources Management, Corporate Communications, Group Audit, Group Risk Management, Compliance



Clemens Jungsthöfel Chief Financial Officer

Asset Management, Reinsurance Accounting and Valuation, Group Finance, Investor and Rating Agency Relations

Life & Health R/I



Claude Chèvre

Life & Health Reinsurance Africa, Middle East, Asia,

Australia, Latin America, Western and Southern Europe, Longevity Solutions





Sven Althoff

Property & Casualty Reinsurance

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

Property & Casualty Reinsurance

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



Dr. Klaus Miller

Life & Health Reinsurance

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



Sharon Ooi

Property & Casualty Reinsurance

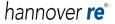
Asia-Pacific



Dr. Michael Pickel

Property & Casualty Reinsurance

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



We are among the top reinsurers in the world

Premium ranking 2021 in m. USD

Rank Group	Country	GWP	NPW
1 Munich Re	DE	46,836	44,417
2 Swiss Re	СН	39,202	36,965
3 Hannover Re ¹⁾	DE	31,443	27,344
4 Canada Life Re	CA	23,547	23,514
5 SCOR	FR	19,933	16,242
6 Berkshire Hathaway Inc.	US	19,906	19,906
7 Lloyd's ²⁾	UK	19,343	14,263
8 China Re	CN	17,808	16,181
9 RGA	US	13,348	12,513
10 Everest Re	ВМ	9,067	8,536
11 Partner Re	ВМ	8,204	7,134
12 RenaissanceRe	ВМ	7,834	5,939
13 Korean Re	KR	7,145	5,102
14 Transatlantic Holdings	US	6,034	5,387
15 General Insurance Corporation of India ³⁾	IN	5,821	5,172

For further information please see A.M. Best "Market Segment Report" August 2022 (© A.M. Best Europe - Information Services Ltd. - used by permission)

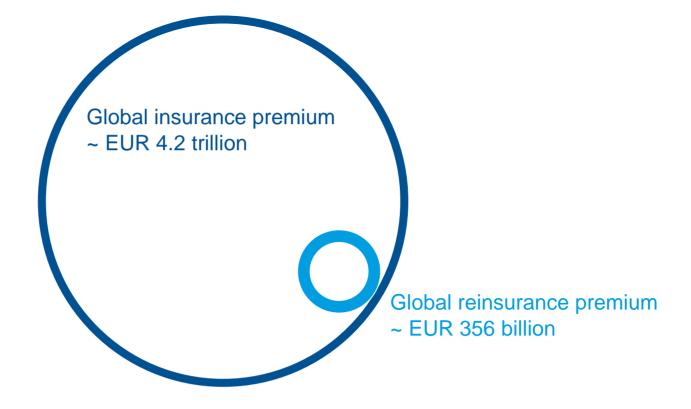
¹⁾ Net premium written data not reported; net premium earned substituted

²⁾ Reinsurance only

³⁾ Fiscal year-end 31 March 2022

Reinsurance has the character of a specialty market With a share of 8% of the overall insurance market

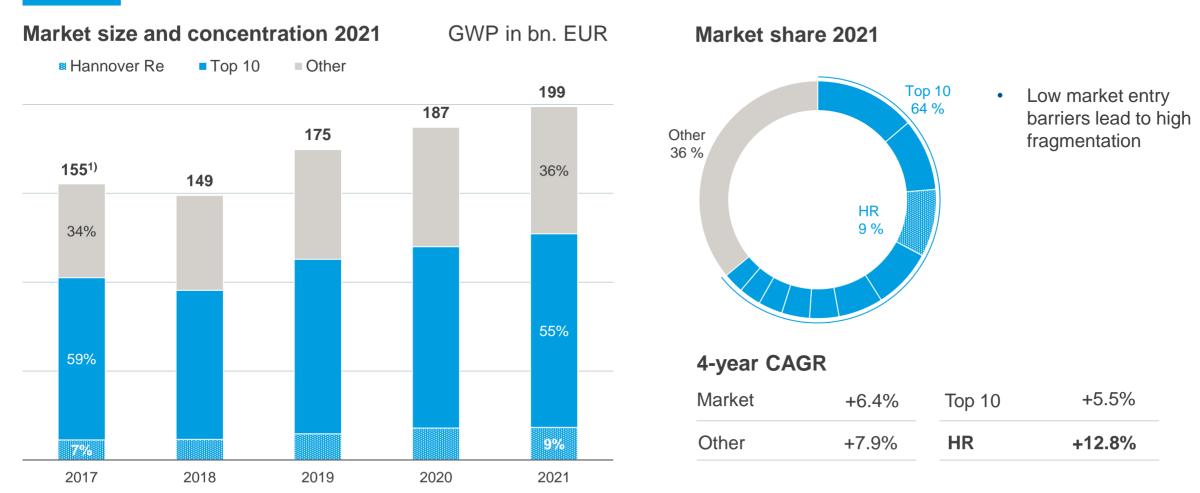
Market size primary insurance vs. reinsurance



2021 or latest. Global reinsurance premium: gross written premium of the Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (August 2022) Source: © A.M. Best Europe - Information Services Ltd. - used by permission, own research

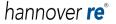


Growing Property and Casualty reinsurance market Hannover Re outperforms the market



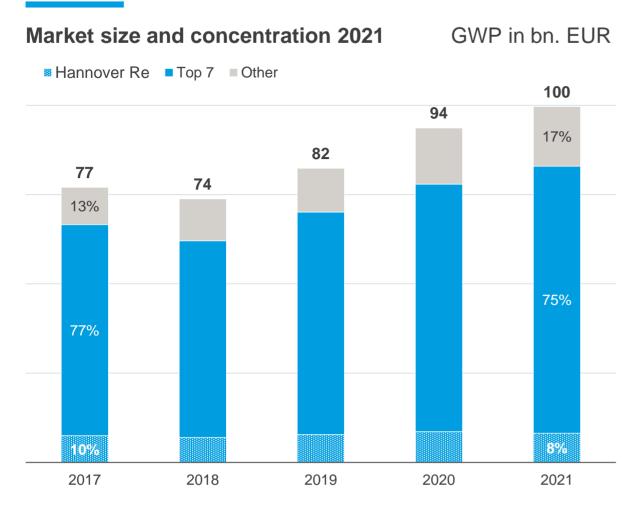
Market: Sum of Non-life GWP of Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (August 2022)
Top 10 in 2021: Munich Re, Swiss Re, Hannover Re, Lloyd's, Berkshire Hathaway, SCOR, Everest Re, Renaissance Re, China Re, Partner Re
Source: © A.M. Best Europe - Information Services Ltd. - used by permission

1) Includes one-off Berkshire Hathaway AIG transaction

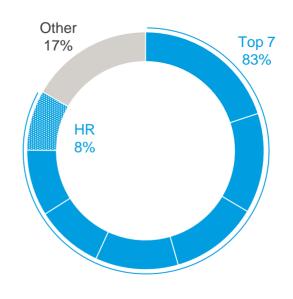


Life and Health reinsurance in a global perspective

Concentrated market due to high entry barriers



Market share 2021



High market entry barriers lead to a highly concentrated market

4-year CAGR

Market	+6.6%	Top 7	+5.7%
Other	+12.4%	HR	+2.1%

Market: Sum of Life GWP of Top 50 Global Reinsurance Groups according to A.M. Best "Segment Report" (August 2022) Top 7 in 2021: Canada Life Re, Swiss Re, Munich Re, RGA, China Re, SCOR, 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



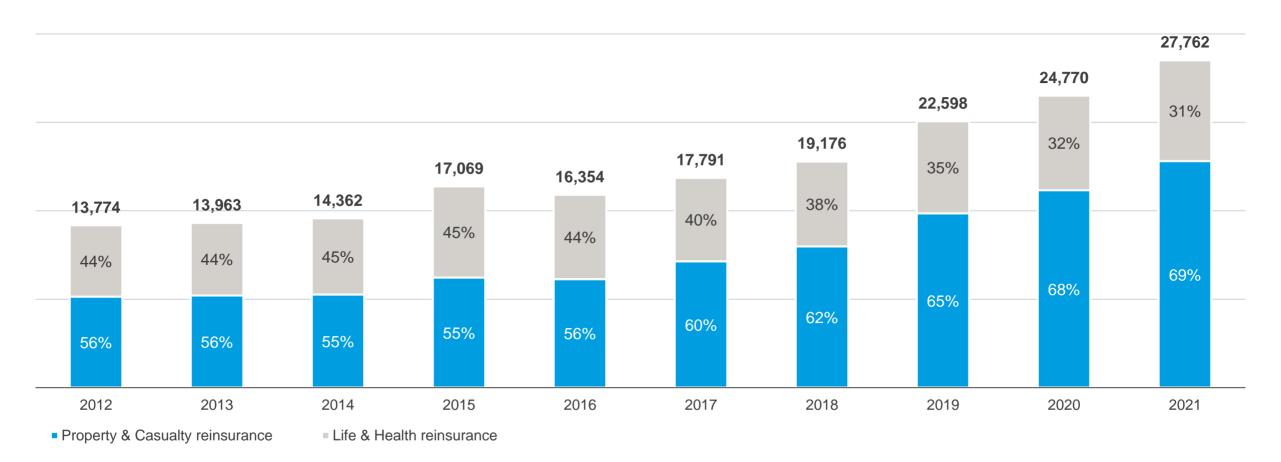
- Strong capital base
- Diversification
- Expertise in risk management
- Support and expertise in product development and pricing
- Optimising capital requirements
- Reducing cost of capital
- Managing earnings volatility
- Support in distributing products in new markets

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

27,762



Australia

Latin America

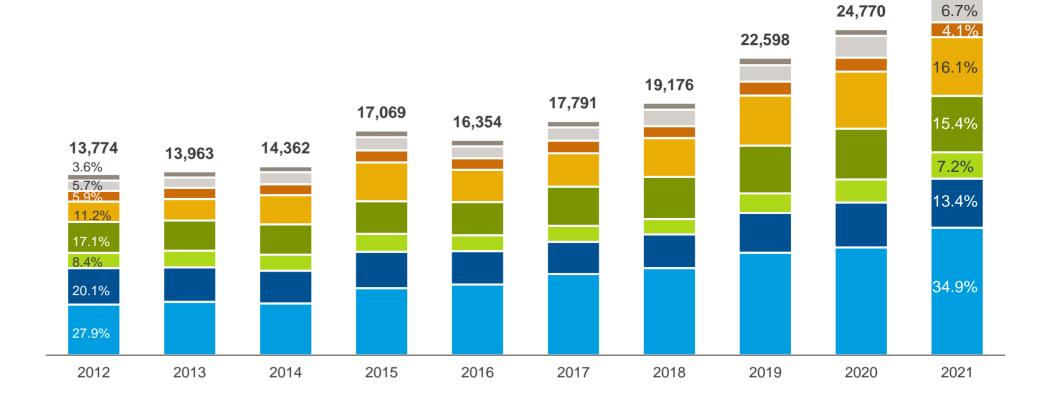
Asia

Other European Countries

Germany

United Kingdom

North America



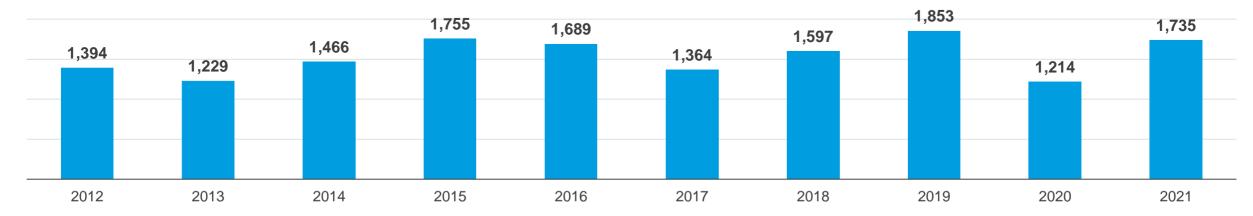


Strong earnings track record

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

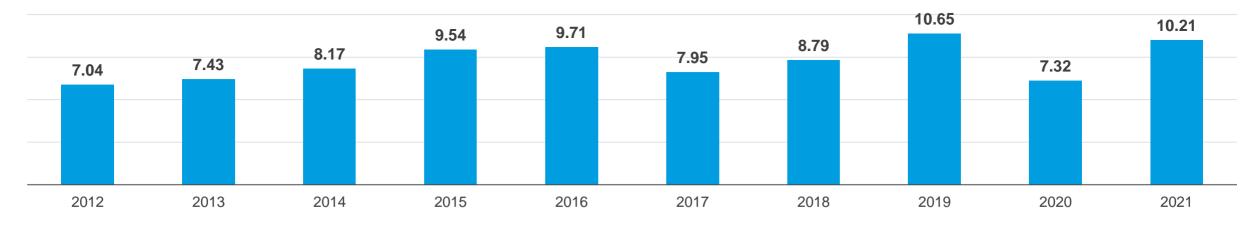


in m. EUR



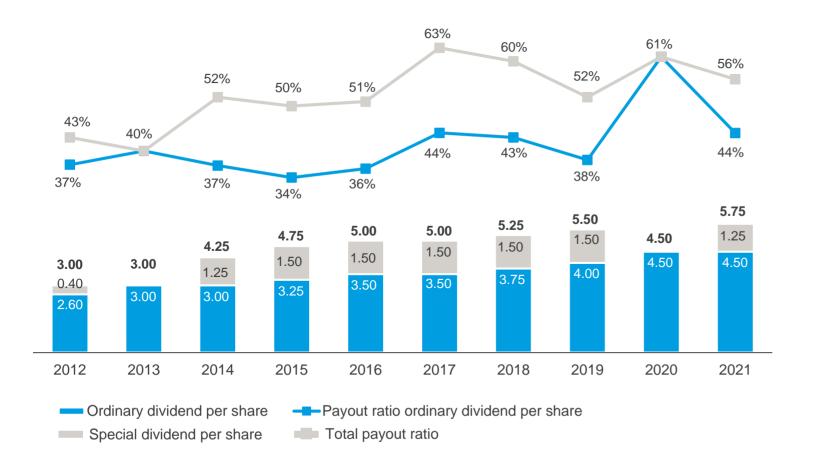
Earnings per share (EPS)

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 ≥ prior year

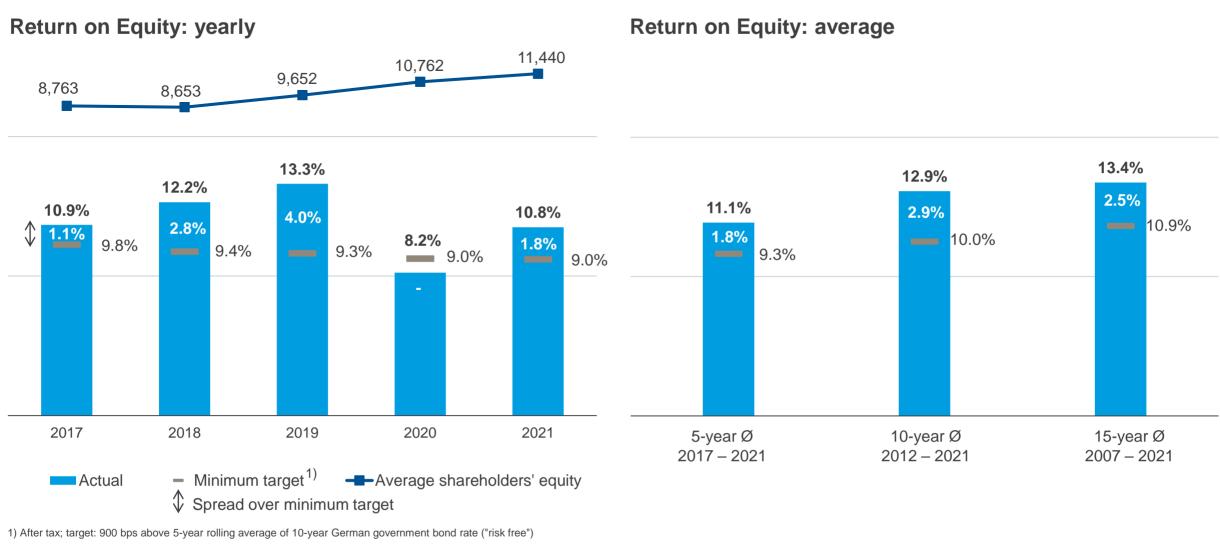
Special dividend

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

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

RoE of 10.8% well above target for 2021

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



Hannover Re is one of the most profitable reinsurers No. 1 position on 5-year average RoE - significantly above peer average

	2017		2018		2019		2020		2021		2017 - 2021	
Company	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%	9	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 9, China, Composite	7.2%	3	4.9%	5	7.3%	8	6.3%	3	6.8%	7	6.5%	5
Peer 10, Korea, Composite	6.2%	4	4.7%	6	8.1%	7	6.1%	4	7.1%	6	6.4%	6
Peer 8, France, Composite	4.4%	6	5.4%	4	6.9%	9	3.7%	7	7.3%	5	5.6%	7
Peer 4, US, Property & Casualty	1.1%	8	0.5%	10	10.4%	4	1.2%	9	11.5%	2	4.9%	8
Peer 7, Bermuda, Property & Casualty	-5.3%	10	4.2%	7	12.9%	2	10.8%	1	-1.0%	10	4.3%	9
Peer 2, Switzerland, Composite	1.0%	9	1.4%	8	2.5%	10	-3.1%	10	5.7%	8	1.5%	10
Average	5.4%		5.1%		9.2%		4.6%		7.6%		6.4%	

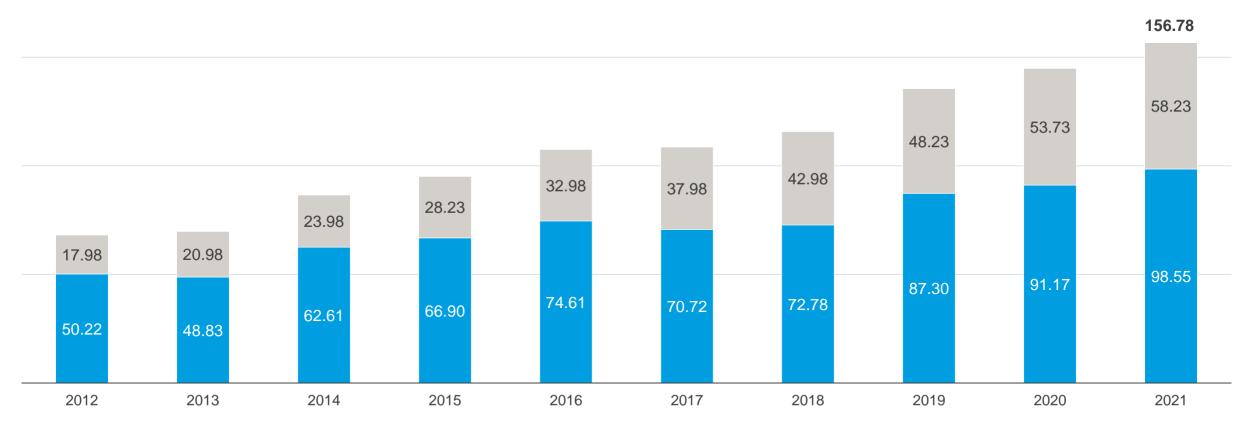
List shows the Top 10 of the Global Reinsurance Index (GloRe) RoE based on company data, own calculation

Continuous increase of value creation

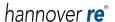
10-year CAGR: +10.6%

Book value and accumulated paid dividends

in EUR

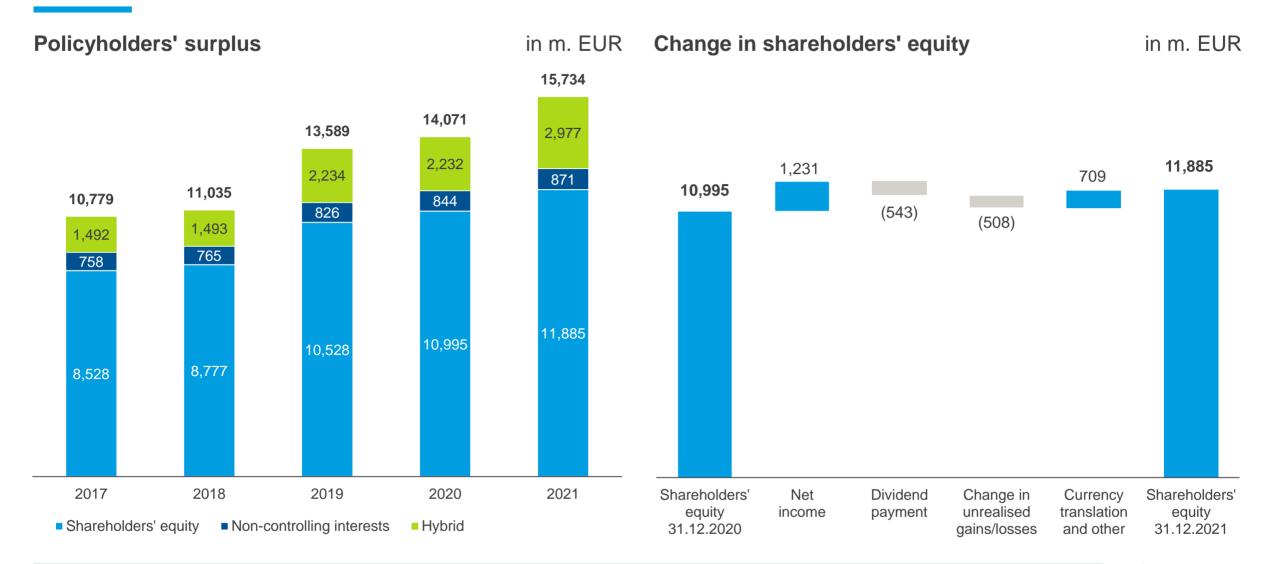


■ Book value per share ■ Paid dividends (cumulative since 1994)



Shareholders' equity up by 8.1%

Policyholders' surplus increased by 46% since 2017

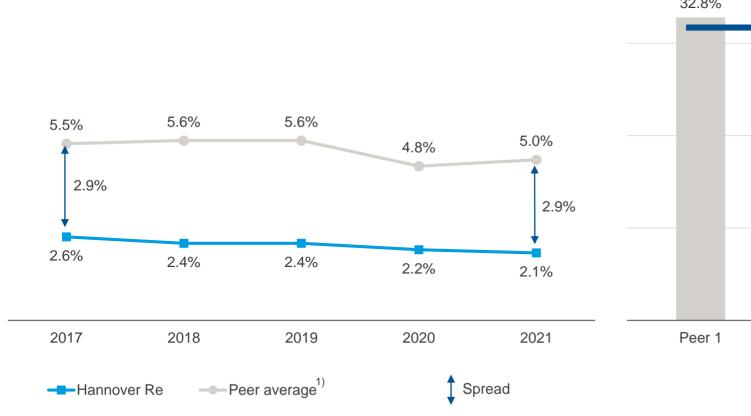


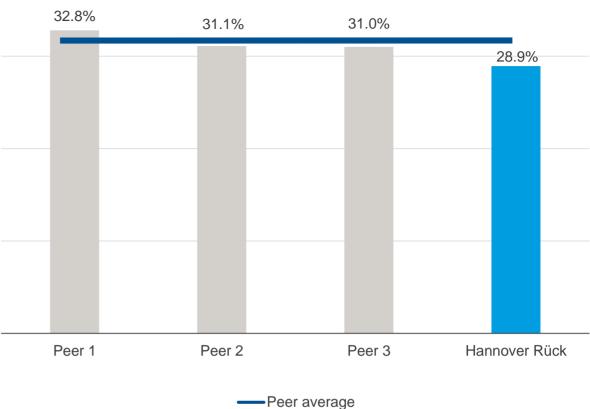
Low expense ratio is an important competitive advantage

Administrative expense ratio

Expense ratio (P&C reinsurance)

5-year average





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



Purpose & Values

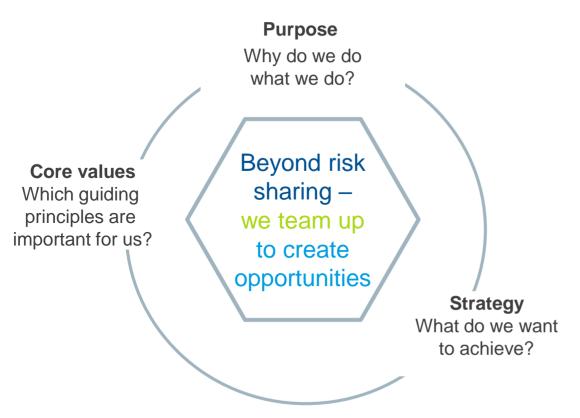
The "why" and the "how" articulate our distinctive corporate culture

Our self-conception



Our values





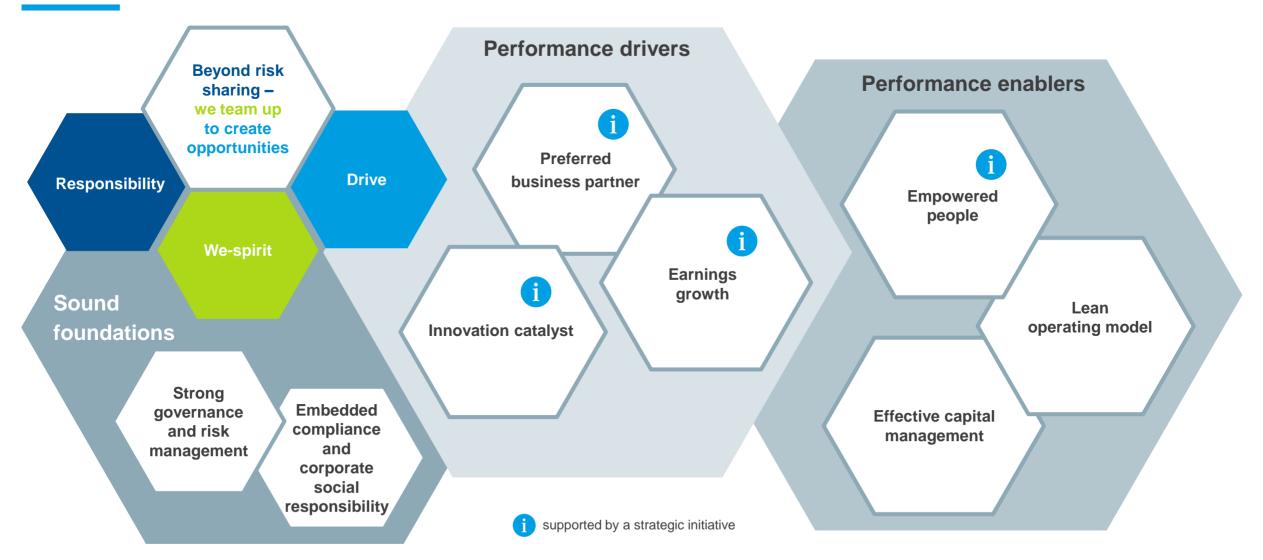


Our competitive strengths lie in our corporate culture and operating model and lead to higher profitability with lower volatility



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

2011

Publication of first sustainability strategy

Investor dialogues



2015

Listed in FTSE4Good-Index



2017

Listed in Global Challenges index



2019

Phased exit for any coal based risks until 2038



2021

Signature of UN PSI

Human rights policy statement

Climate strategy in asset management

Decision on net zero targets





2012

Negative screening in asset management

Publication of annual sustainability reports



2016

Climate neutrality at Hannover location

Annual publication of EMAS statements



2018

Publication of annual combined non-financial information statements

Implementation of best-inclass approach in asset management



2020

Inclusion in DAX 50 ESG

Participant in UNGC

HR recognizes ILO core labour standards for all staff

Signatory of PRI

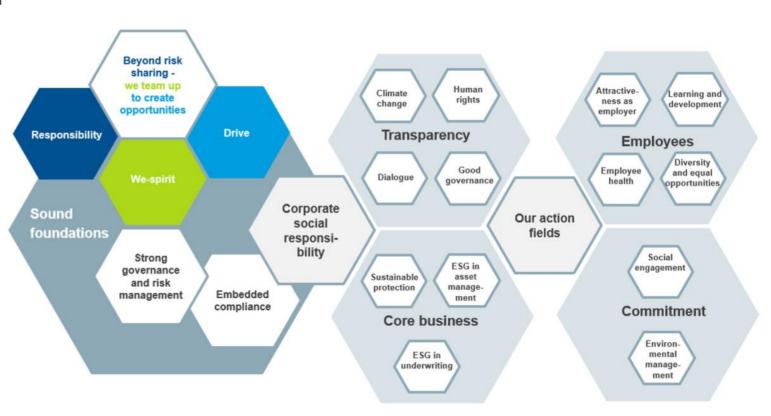
Compliance campaign



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.

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.

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.

Transparency

Core business

Action fields

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.

Commitment

Employees

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

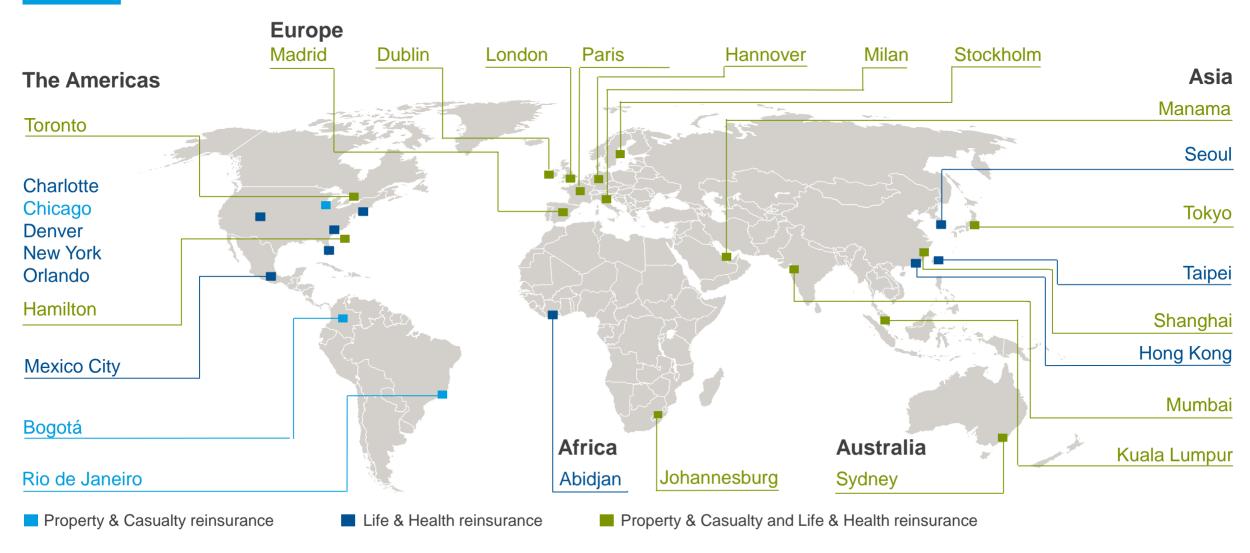


Own business operations

- 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 12.5%

Value creation since IPO



in m. EUR	2021	2022
Market capitalisation as of date	20,158	22,371
- Market capitalisation at IPO (Nov 1994)	1,084	1,084
+ Dividend payments (cumulative)	7,473	7,473
- Capital increases (1996, 1997, 2001, 2003)	811	811
Value creation since IPO	25,736	27,949

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We are somewhat different

Distribution

Distribution channels

 Flexible cost base due to relatively higher share of business written via brokers (~2/3) **Property & Casualty reinsurance**

somewhat diggerent

Reserving

Conservative reserve policy led to build-up of reserve redundancies since 2009

- Reduction of P&C earnings volatility
- Protection against inflation risk

Cycle management

Effective cycle management and focus on profitability

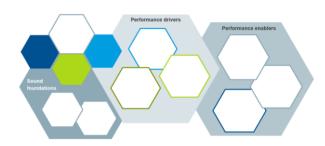
- Selective growth: increase market share in "hard" markets only
- No pressure to grow due to low administrative expense ratio
- Above-average profitability due to stringent underwriting approach with focus on bottom line

Central U/W

Central underwriting with local talent is key to our success

 Secures consistent underwriting decisions

Property & Casualty: Strategy



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

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

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

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

Deliver on current APAC initiative

Preferred

business

partner

Innovation catalyst

Effective capital management

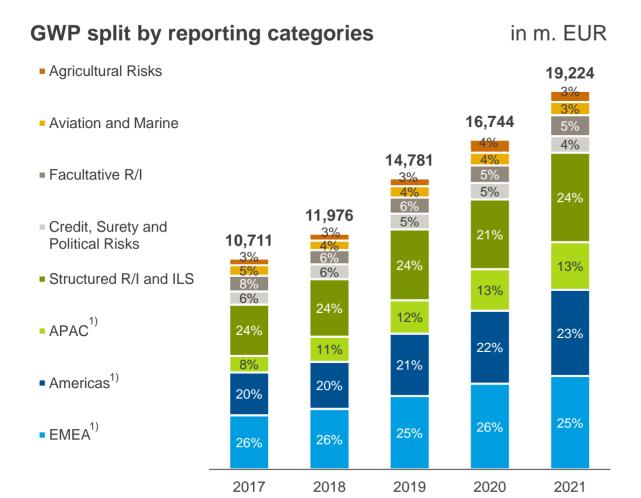
Earnings

arowth

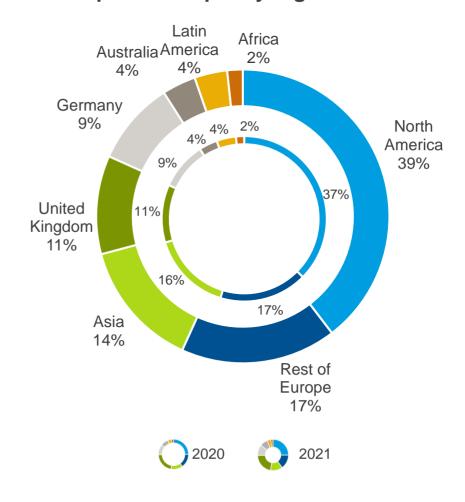
- Include Specialty lines and foster growth of Advanced Solutions business in the region by decentralized underwriting approach
- Ensure strong Hannover Re underwriting culture is maintained in the APAC offices
- Increase collaboration between the APAC offices whilst maintaining strong links to Hannover



Property & Casualty reinsurance: strong and diversified growth 5-year CAGR: +15.9%



Gross written premium split by regions



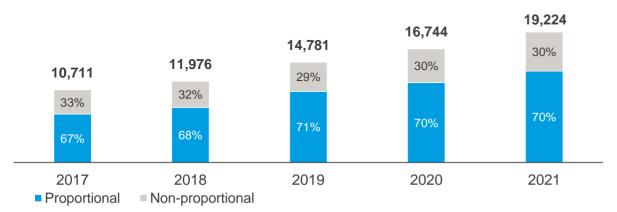


¹⁾ All lines of Property & Casualty reinsurance except those stated separately 2020 restated pursuant to IAS 8

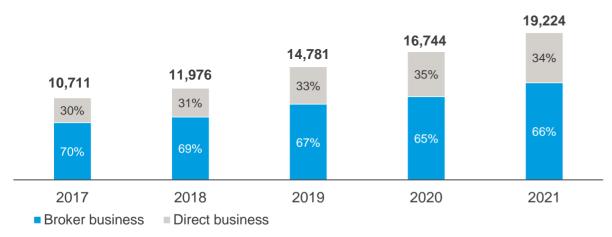
Around 2/3 of our business is written via brokers

~1/3 of our business is non-proportional

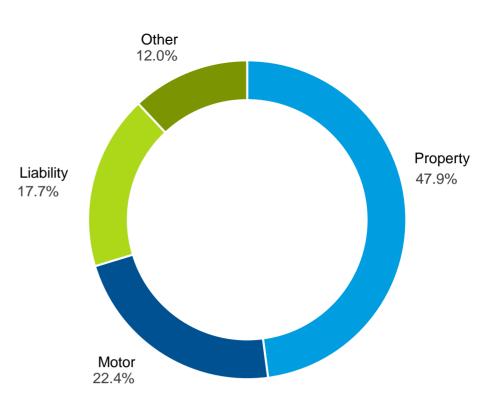
Breakdown of treaties by volume in % and m. EUR



Breakdown of business written in % and m. EUR

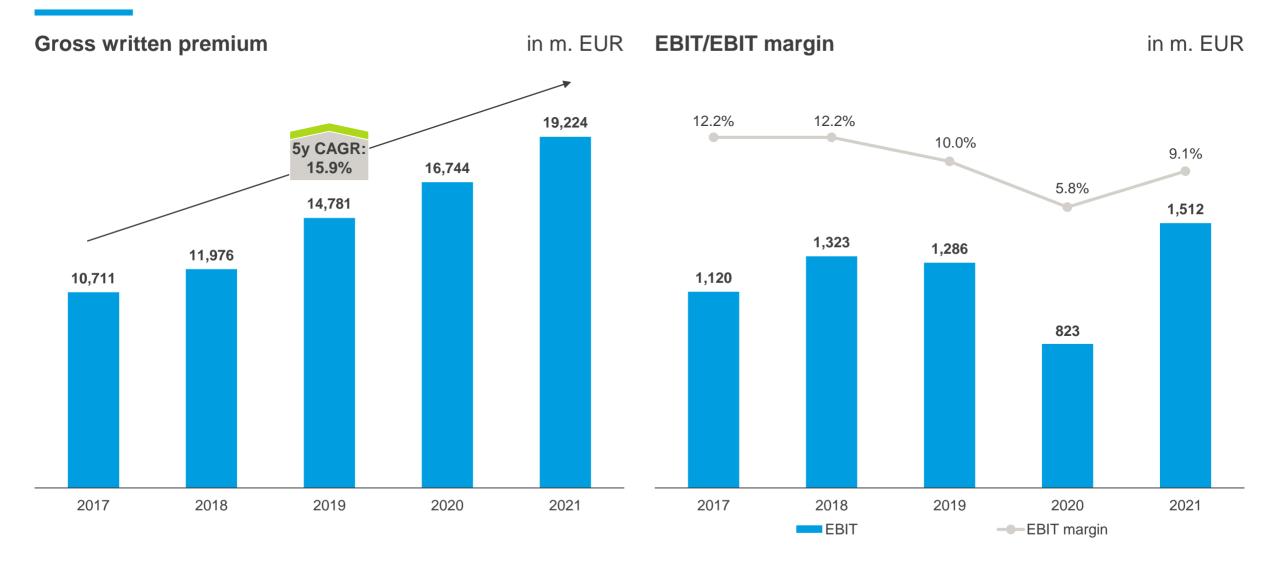


GWP by segment

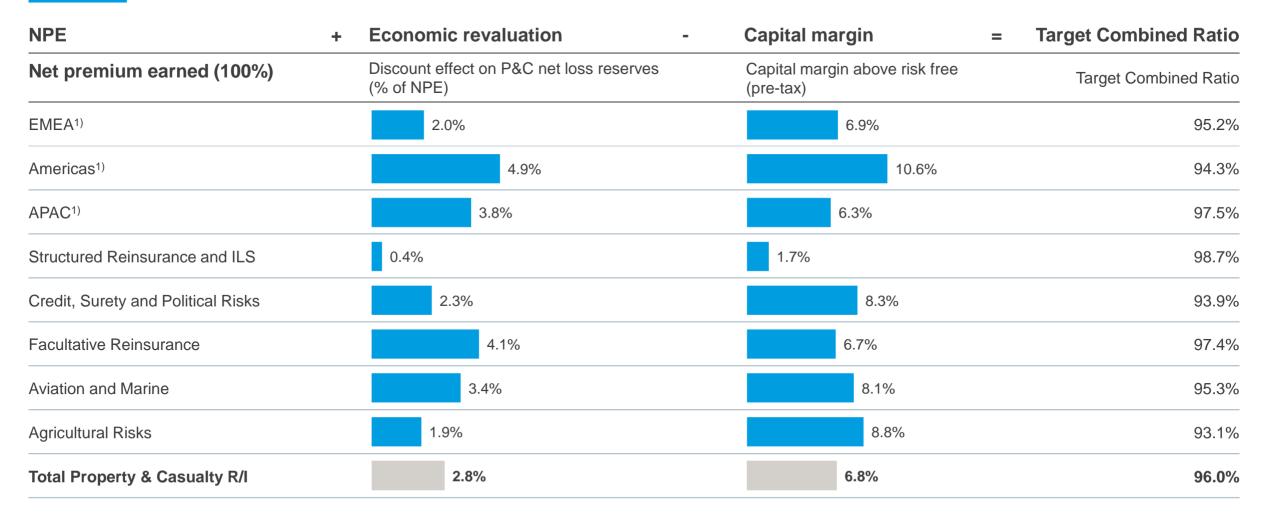




Margin-oriented U/W approach leads to profitable growth 2021: strong premium growth – large losses exceed budget by EUR 150 m.



Target Combined Ratio varies substantially by line of businessTargets for FY 2022



As at March 2022

¹⁾ All lines of business except those stated separately

Reserve redundancies increased by EUR 167 m. in 2021

Level of additional IBNR is 50% of total reserves

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
2021	1,703	167	1.0%	16,624
2010 - 2021 total		838		111,761
2010 - 2021 average		70	0.7%	9,313

Average impact on loss ratio: 0.7% in the past 12 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

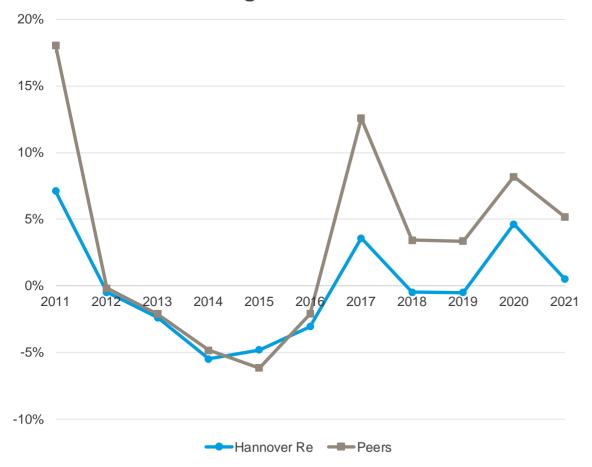
The risk is manageable

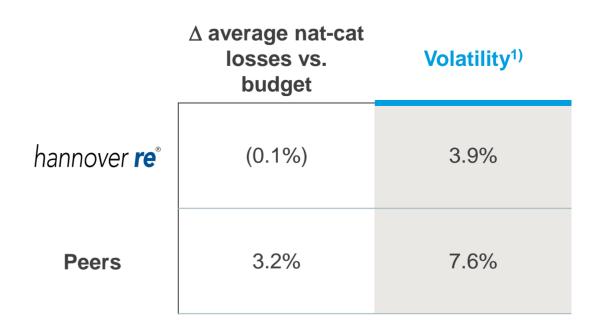
Stress tests for natural catastrophes after retrocessions

Effect on forecast net income	2020	2021	
Hurriagna HS/Carribagn	100-year loss	(1,107)	(1,452)
Hurricane US/Carribean	250-year loss	(1,594)	(1,959)
Earthquake US West Coast	100-year loss	(554)	(839)
	250-year loss	(1,184)	(1,615)
Winter atoms France	100-year loss	(377)	(667)
Winter storm Europe	250-year loss	(631)	(1,009)
Earthquake Japan	100-year loss	(347)	(758)
	250-year loss	(747)	(1,203)
Forth mucho Obile	100-year loss	(223)	(493)
Earthquake Chile	250-year loss	(777)	(1,277)

Previous years confirm our reliable planning of nat-cat budget

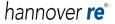
∆ nat-cat losses vs. budget in % of NPE





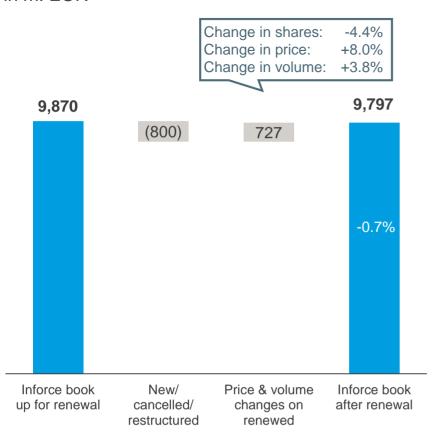
- On average, Hannover Re stays within nat-cat budget
- Lower volatility of nat-cat budget utilisation by Hannover Re compared to peers

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



Hannover Re's risk-return profile improved considerably Risk-adjusted overall price increase of +8.0%

1 Jan 2023 P&C Treaty Renewals



- Successful renewal supported by superior financial strength, favourable market positioning and long-standing customer relationships
- Expansion of retro coverage for NatCat and cyber exposure as price increases in reinsurance markets attracted long-term partners
- Volume development impacted by
 - disciplined underwriting and portfolio steering
 - shifting towards non-proportional reinsurance
 - portfolio pruning of least performing treaties
- Quality of P&C portfolio improved substantially
 - Price increases combined with T&C tightening
- Improved pricing across highly diversified portfolio
 - Non-proportional business rates increased significantly
 - Broader-based price correction beyond NatCat
 - Less pronounced increases in long-tail classes due to a more attractive interest rate environment
 - Stable to improving commission levels for proportional business in a less dynamic insurance pricing environment

Underwriting year figures at unchanged f/x rates (31 December 2022)

Very strong non-proportional renewal in property and some specialty lines Disciplined underwriting in proportional as primary rates increased less strongly

	Proportional		Non-proportional			
Reporting lines	Premium 1/1/2023	Premium changes	Price changes	Premium 1/1/2023	Premium changes	Price changes
EMEA ¹⁾	3,091	-4.7%	+2.8%	1,197	+27.2%	+22.3%
Americas ¹⁾	1,111	-9.2%	+4.5%	1,514	+22.5%	+21.3%
APAC ¹⁾	966	-27.6%	+3.6%	165	+52.3%	+15.0%
Credit, Surety and Political risks	622	-4.5%	+2.6%	137	+16.4%	+9.9%
Aviation and Marine	206	+19.5%	+11.8%	106	-27.5%	+23.5%
Agricultural Risks	639	+0.2%	+2.9%	44	-21.4%	+6.6%
Total 1 January renewals	6,636	-8.7%	+3.4%	3,162	+21.4%	+20.7%

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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3	Life & Health reinsurance	45
4	Investment management	59
5	Capital management	66
6	Interim results Q1-3/2022	78
7	Outlook	89
	Appendix	92



We are somewhat different

Undogmatic

We have an undogmatic approach

- Strong entrepreneurial spirit
- Appetite to innovate industry solutions

Life & Health reinsurance

somewhat diggerent

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

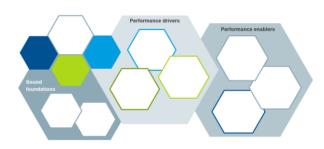
- >1,100 experts in 26 offices on all continents
- Highly empowered and qualified staff

Flexible

We are a highly flexible business partner

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

Life & Health: Strategy



Support our clients in optimizing 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

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

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

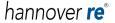


Identify and actively manage value-destroying risks in our portfolio

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

Outperforming competition in the fastest growing L&H markets

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

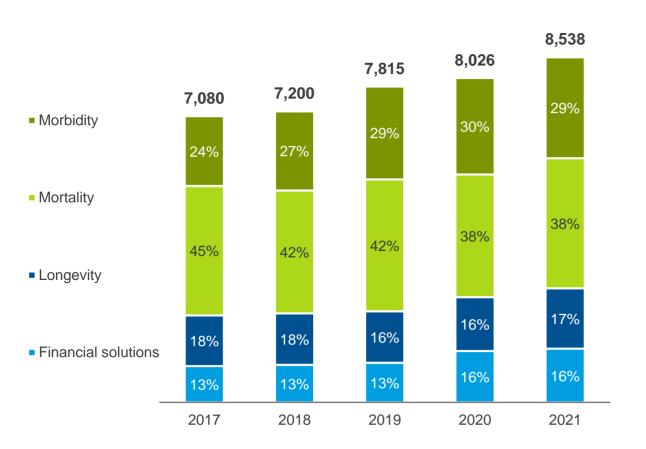


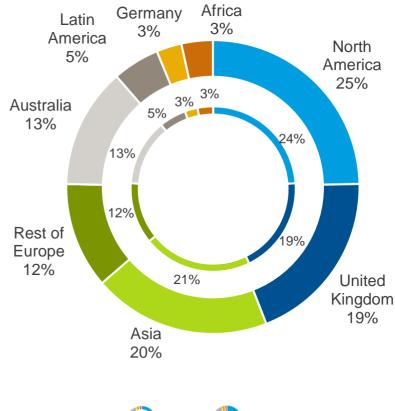
Life & Health reinsurance: diversified growth in line with strategic target 5-year CAGR: +3.6%

GWP split by reporting categories



Gross written premium split by regions









2020 restated pursuant to IAS 8

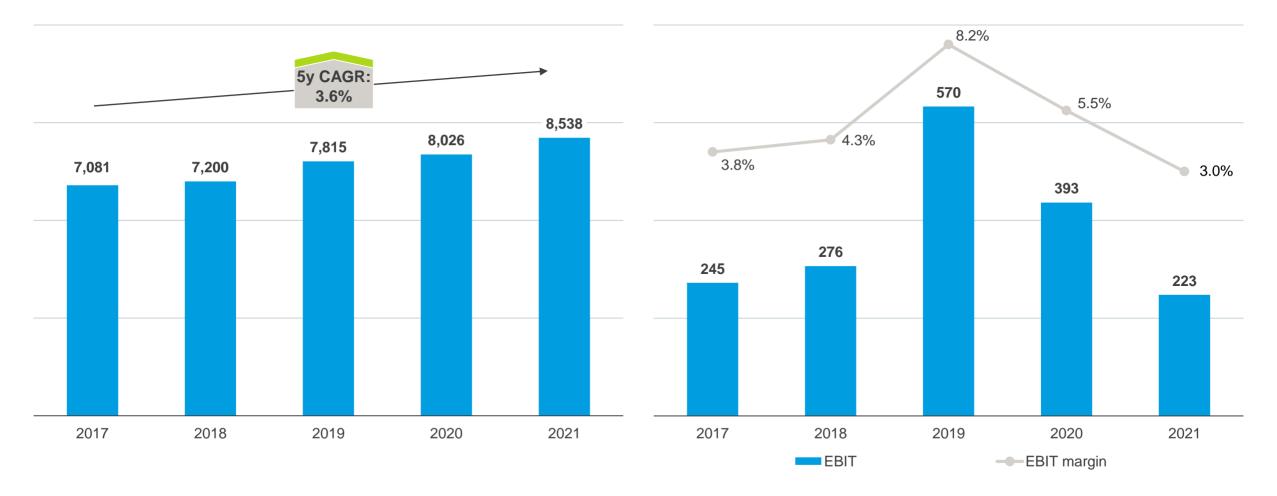
Favourable premium growth

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

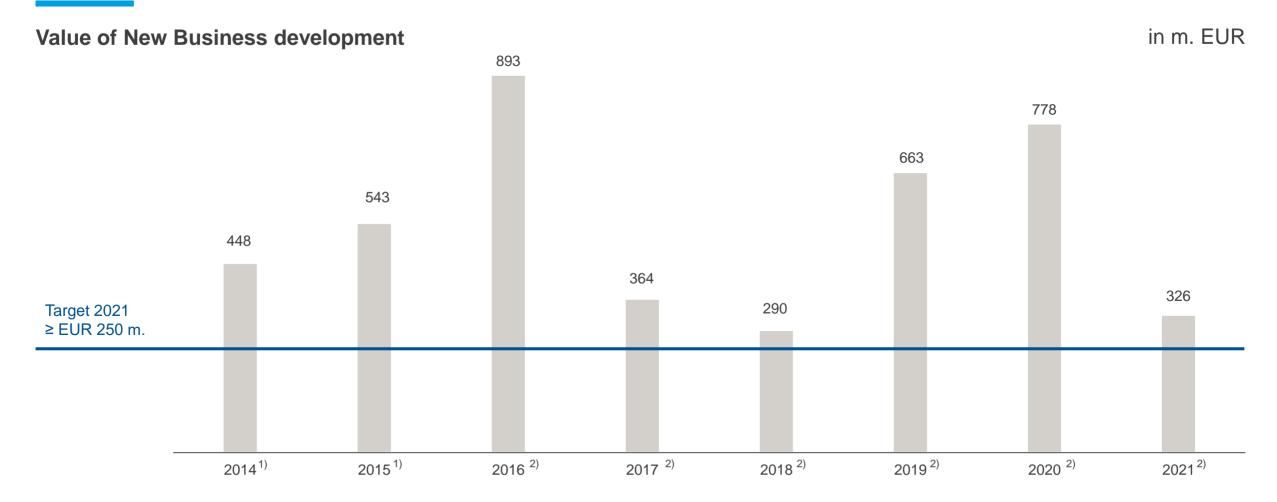
Gross written premium

in m. EUR **EBIT/EBIT margin**

in m. EUR



Value of New Business well above target Mainly driven by Financial Solutions and Longevity business



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

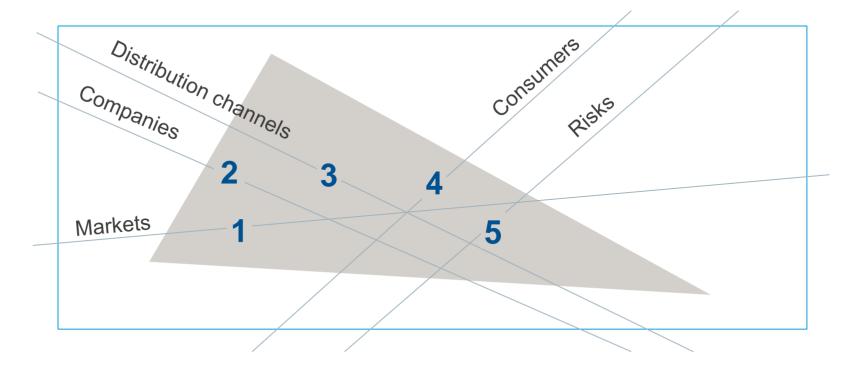
Meet the individual
needs of our clients

Our strategic focus

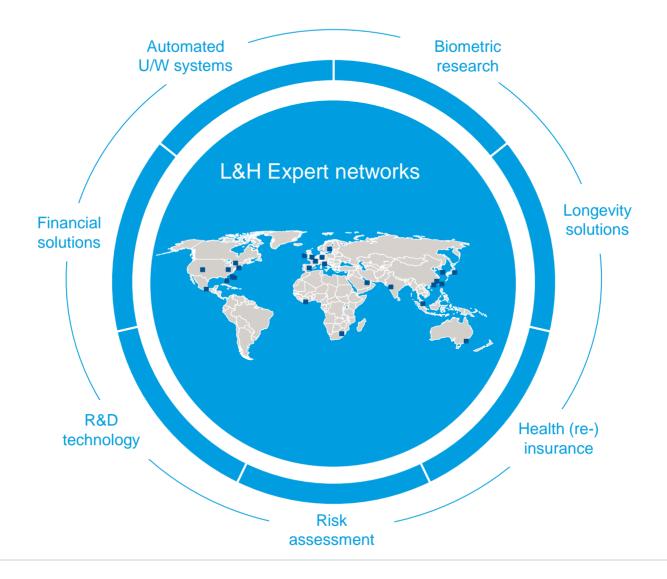
- 1 High growth markets
- 2 Companies in transition
- 3 Alternative distribution channels
- 4 Underserved consumers
- 5 Hard-to-quantify risks

Reinsurance universe Positive e

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

Profitability depends

largely on the underlying

biometric risks

Health

Disability

Long Term Care

Critical Illness

Structured agreements to achieve certain financial objectives

Financial Solutions

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

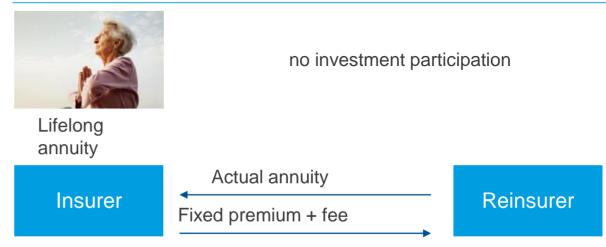


Longevity: enhanced annuities¹⁾

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



Longevity: risk transfer



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

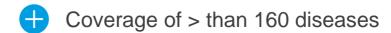
Helps consumers to protect their life quality in case of a life-threatening disease



Payment

- Income protection/medical insurance Payment of claim incurred
- Critical Illness
 Payment of lump sum insured

Hannover Re's contribution



- 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

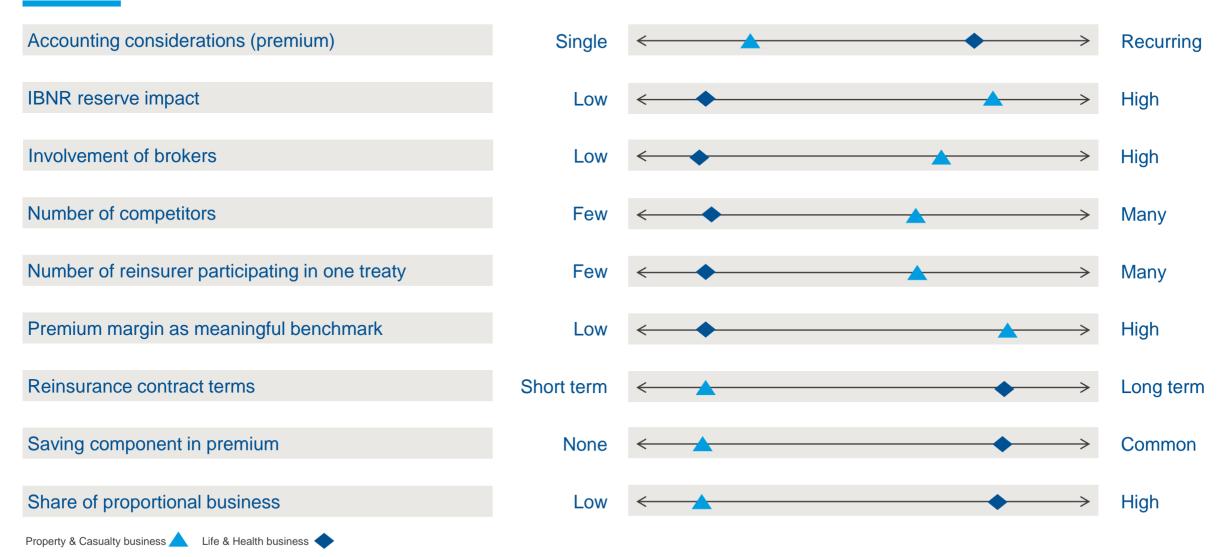
Support for proper medical & claims assessment



U/W systems

hr | Quirc, hr | ReFlex or hr | Ascent

Primary differences between L&H and P&C business Simplified illustration



Takeaways for the Life & Health Business Group

Business
All lines of life, health & annuities

4 Service An important component

Pocus
Biometric risks not asset risk

5 Premium
Not the only meaningful benchmark → EBIT

Relationship
Long term due to very long run-off

Financial solutions business Key driver of earnings

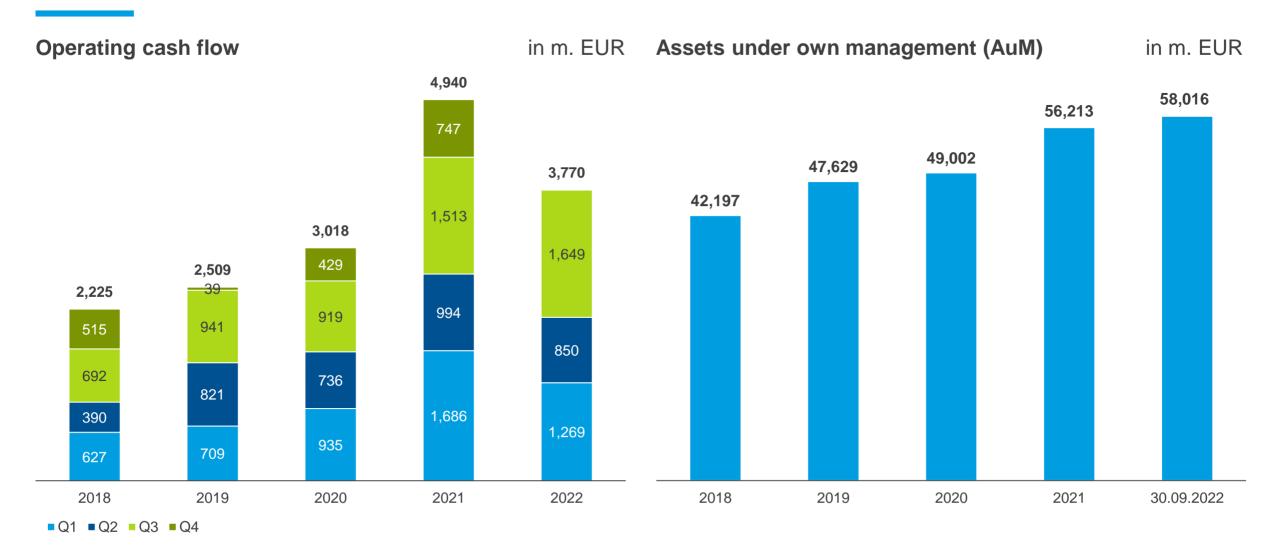
Agenda

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7	Outlook	89
	Appendix	92

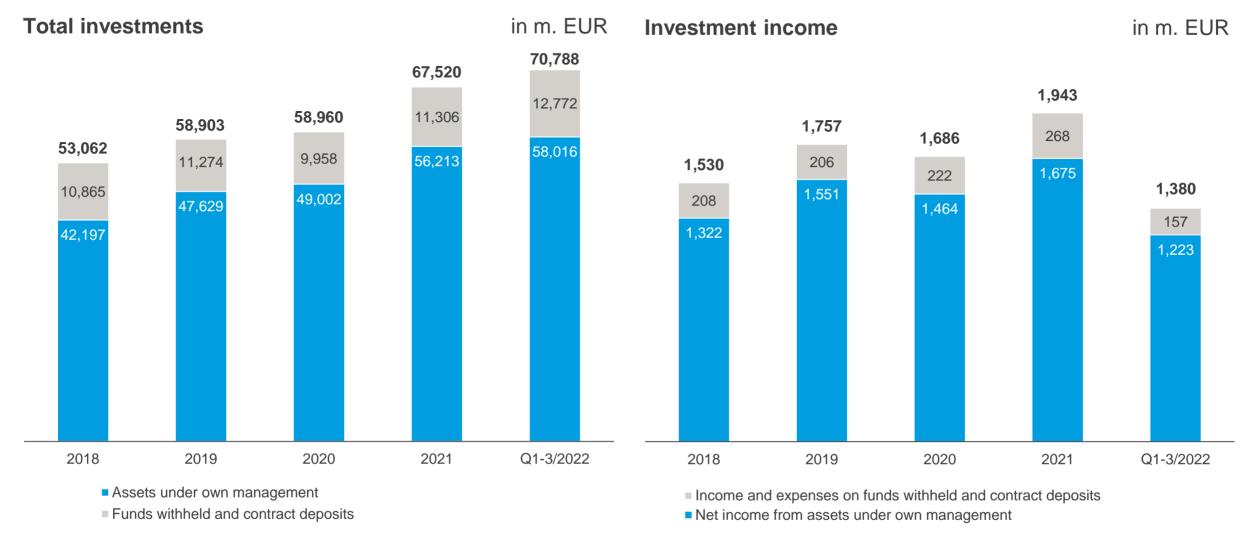


Strong operating cash flow driven by premium growth

AuM +3.2%, cash flow and stronger USD offset impact of rising interest rates



Good net investment income in a volatile market environment Assets under own management at EUR 58 bn.

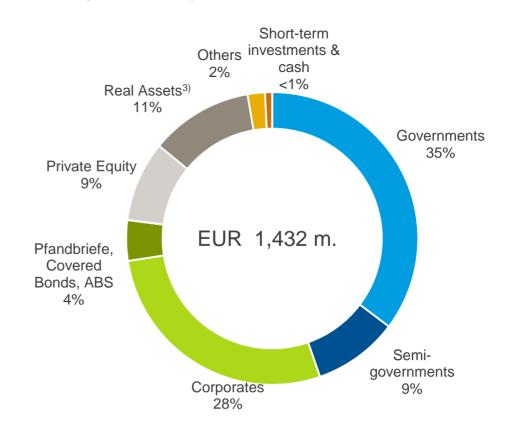


Ordinary income with increased return from government bonds Rather stable asset allocation with defensive credit risk taking since beginning of year

Asset allocation¹⁾

Investment category	2018	2019	2020	2021	Q3/2022
Fixed-income securities	87%	87%	85%	86%	83%
- Governments	35%	35%	34%	34%	36%
- Semi-governments	16%	15%	15%	14%	13%
- Corporates	29%	31%	30%	32%	27%
Investment grade	25%	26%	25%	28%	23%
Non-investment grade	4%	4%	4%	4%	4%
- Pfandbriefe, Covered bonds, ABS	7%	7%	6%	6%	6% ²⁾
Equities	2%	3%	3%	4%	4%
- Listed equity	>0%	>0%	1%	1%	>0%
- Private equity	2%	2%	3%	3%	4%
Real Assets	6%	5%	5%	5%	7%
Others	1%	2%	3%	2%	3%
Short-term investments & cash	4%	3%	3%	3%	5%
Total market values in bn. EUR	42.7	48.2	49.8	56.2	58.5

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 1,951.0 m. (EUR 1,588.2 m.) as at 30 September 2022

²⁾ Of which Pfandbriefe and Covered Bonds = 58.7%

³⁾ Before real estate-specific costs. Economic view based on market values as at 30 September 2022

High-quality fixed-income book well balanced

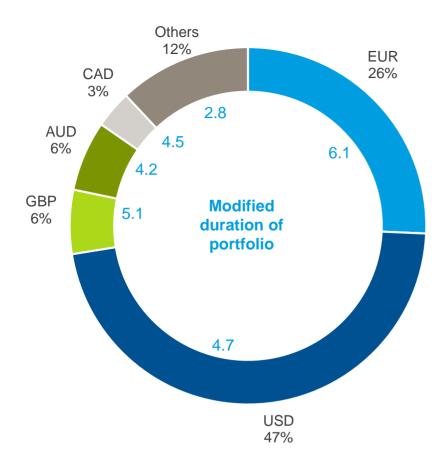
Geographical allocation mainly in accordance with our broad business diversification

	Governments	Semi- governments	Corporates	Pfandbriefe, Covered bonds, ABS	Short-term investments, cash	Total
AAA	76%	52%	1%	59%	-	47%
AA	10%	23%	10%	13%	-	12%
A	10%	8%	35%	13%	-	18%
BBB	3%	2%	43%	13%	-	17%
<bbb< td=""><td>2%</td><td>14%</td><td>11%</td><td>2%</td><td>-</td><td>7%</td></bbb<>	2%	14%	11%	2%	-	7%
Total	100%	100%	100%	100%	-	100%
Germany	12%	26%	3%	18%	25%	12%
UK	6%	1%	6%	6%	7%	5%
France	2%	1%	6%	8%	1%	4%
GIIPS	0%	3%	5%	8%	0%	3%
Rest of Europe	3%	14%	12%	19%	2%	9%
USA	55%	13%	33%	20%	17%	38%
Australia	2%	18%	6%	5%	5%	6%
Asia	17%	23%	19%	10%	39%	19%
Rest of World	2%	1%	9%	5%	5%	4%
Total	100%	100%	100%	100%	100%	100%
Total b/s values in m. EUR	21,317	7,585	15,264	3,670	2,644	50,480

IFRS figures as at 30 September 2022

Currency allocation matches balance sheet liability profile as much as possible Duration-neutral strategy intact; lower modified duration as result of yield increases

Currency split of investments



- Modified duration of fixed-income mainly congruent with liability- and capital-driven targets
- GBP's higher modified duration predominantly due to life business

Modified duration

Q3/2022	4.8
2021	5.8
2020	5.8
2019	5.7
2018	4.8

Stress tests on assets under own management After listed equity liquidation, main focus turns back to 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%	-215	-215
Equity (listed and private equity)	-20%	-429	-429
Fixed in a man and a writing	+50 bps	-1,226	-1,191
Fixed-income securities	+100 bps	-2,391	-2,323
Credit spreads	+50%	-1,094	-1,076

Agenda

1	Hannover Re Group	2
2	Property & Casualty reinsurance	33
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6	Interim results Q1-3/2022	78
6 7	Interim results Q1-3/2022 Outlook	78 89



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

Туре	Nominal amount	Issue date	Issue ratings S&P / A.M. Best	First call date	Maturity	Coupon rate
Dated subordinated bond ISIN: XS2549815913	EUR 750 m.	2022-11-14	A / -	2033-02-26	2043-08-26	Until 2033-08-26: 5.875% p. a. and thereafter 3.75% p. a. above 3 months EURIBOR
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
Undated subordinated bond 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 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)

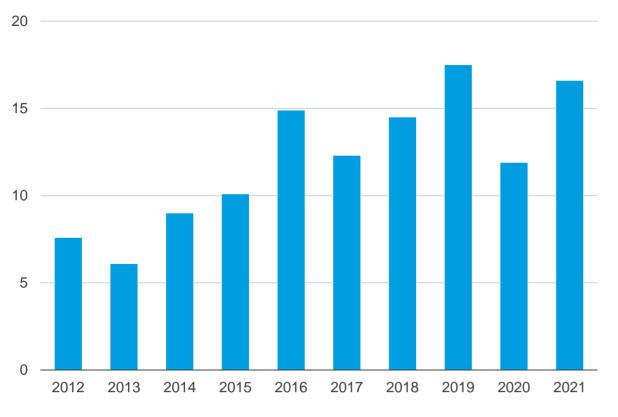
Senior bond not recognised as regulatory capital



Leverage ratios support HR's excellent ratings

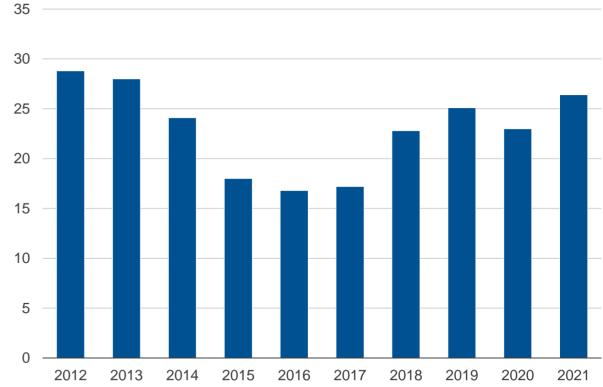
S&P's view on Hannover Re

EBITDA fixed charge coverage (x)1)

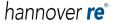


Financial leverage²⁾





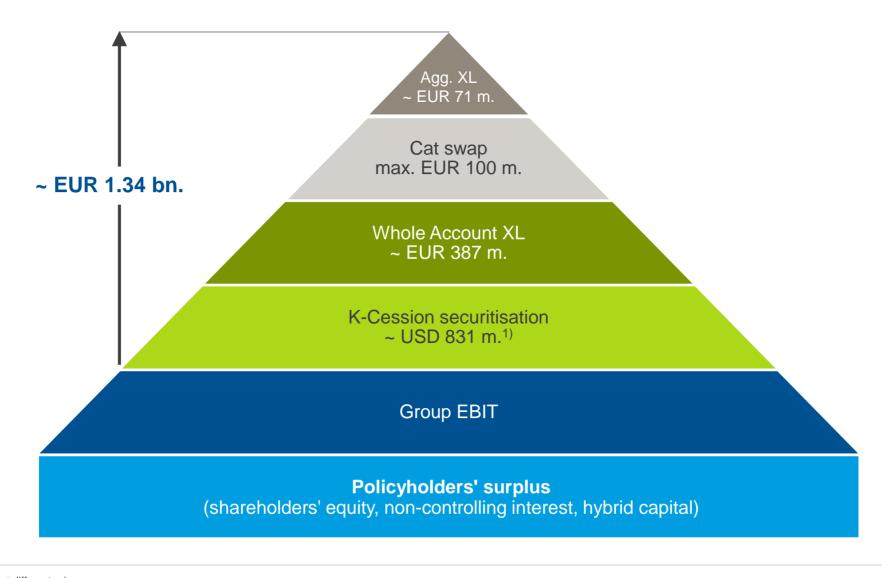
Source: Standard & Poor's rating report of Hannover Re as of 22 August 2022



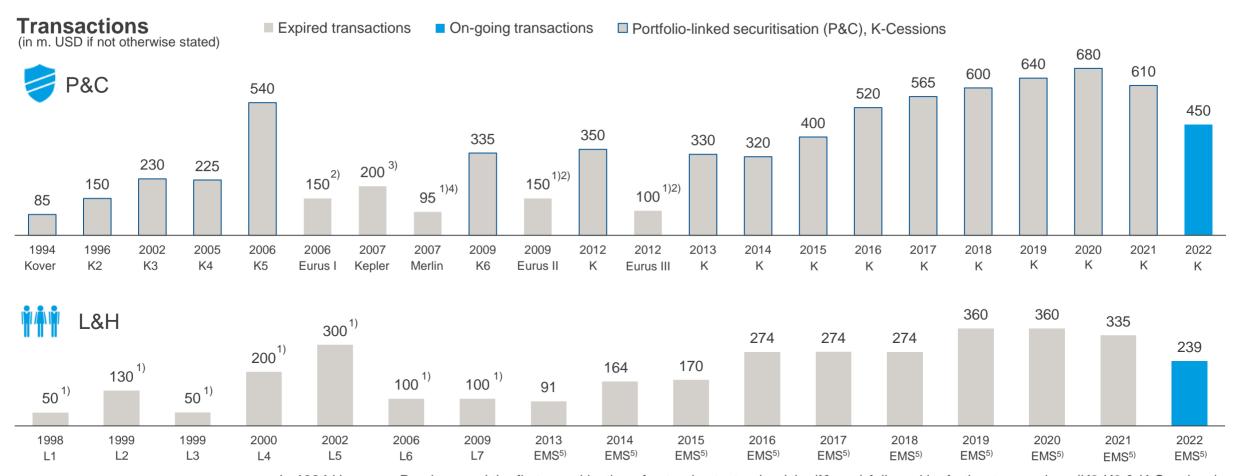
¹⁾ Fixed charge coverage: EBITDA divided by sum of interest expenses and interest on operating lease (S&P definition)

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



We pioneered in transferring risks into capital markets via securitisations Equity Substitutes



- 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	S&P	A.M. Best
Berkshire Hathaway	AA+	A++
Hannover Re	AA-	A+
Munich Re	AA-	A+
XL Bermuda	AA-	A+
Swiss Re	AA- ¹⁾	A+
SCOR	A+	A+ ¹⁾
Everest Re	A+	A+
Partner Re	A+	A+
Lloyd's	A+	А

As at 1 February 2023

1) Negative outlook

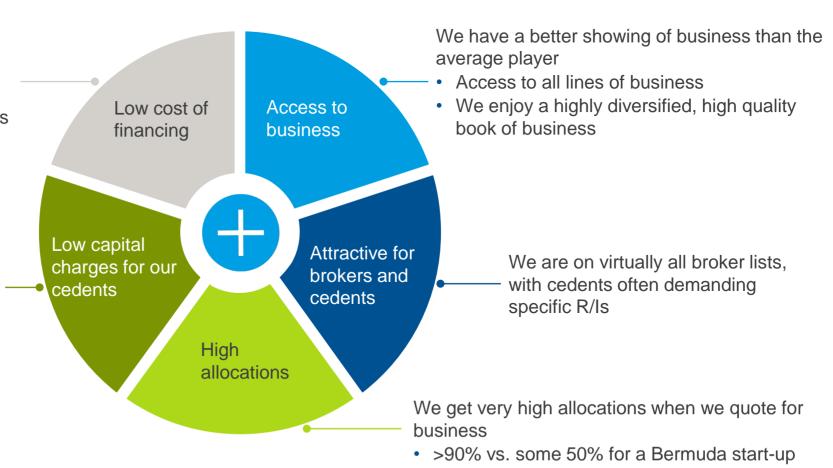
Benefits of an above-average rating

Our cost of financing in the capital markets is lower

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

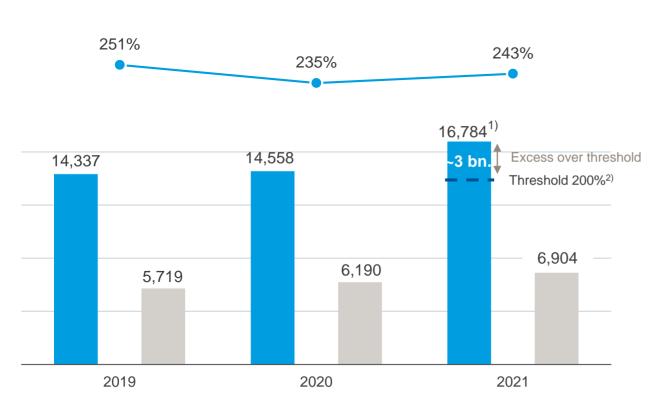
We create lower capital charges for our cedents

- "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

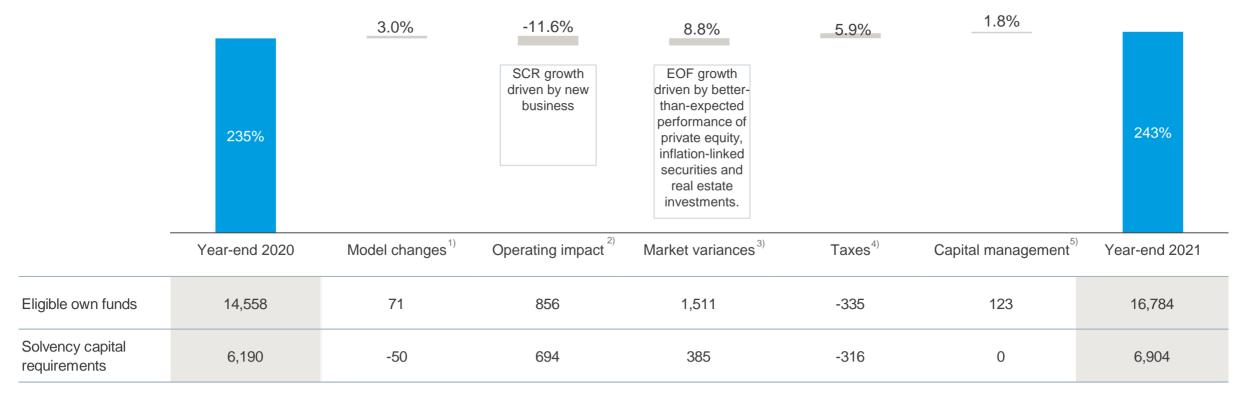
[■] Eligible Own Funds ■ Solvency Capital Requirements (SCR)

¹⁾ Excluding minority shareholdings of EUR 680 m.

²⁾ Minimum Target Ratio Limit 180%

Strong capital generation in line with overall business growth Increase in solvency ratio supported by issuance of new hybrid bond

Solvency II movement analysis



Figures in m. EUR.



¹⁾ Model changes (pre-tax) in terms of Eligible Own Funds (EOF) relate to the calculation of technical provisions, mainly L&H. Changes in terms of Solvency Capital Requirements (SCR) relate to the regulatory approved internal capital model.

²⁾ Operating earnings and assumption changes (pre-tax). EOF increase includes the L&H new business value of 326 m. EUR.

³⁾ Changes (pre-tax) due to movements in foreign exchange rates, interest rates, credit spreads, inflation (mainly investments) and other financial market indicators.

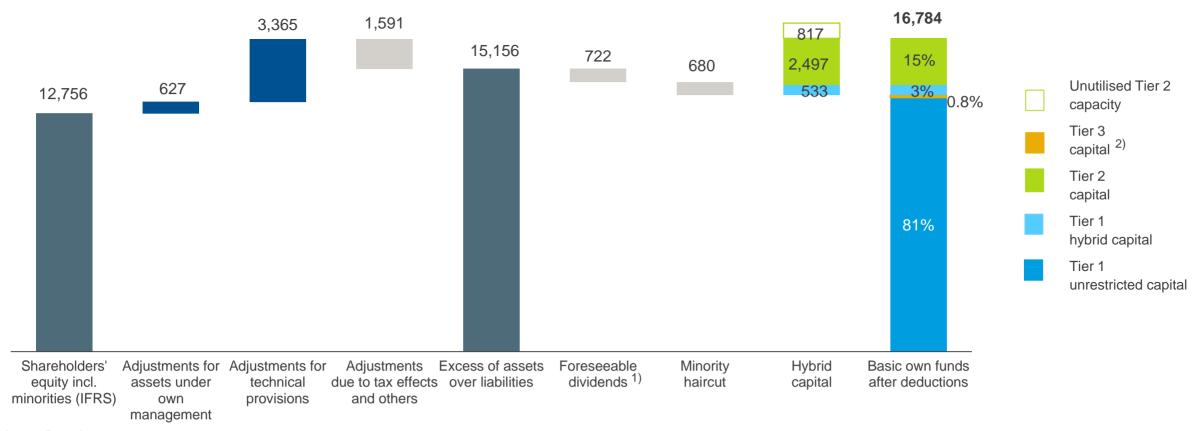
⁴⁾ Tax payments and changes in deferred taxes.

⁵⁾ Incl. dividend payments and changes in foreseeable dividends and the issuance of a hybrid bond of 750 m. EUR.

High-quality capital base with 82% Tier 1 Unutilised Tier 2 provides additional flexibility

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





As at 31 December 2021



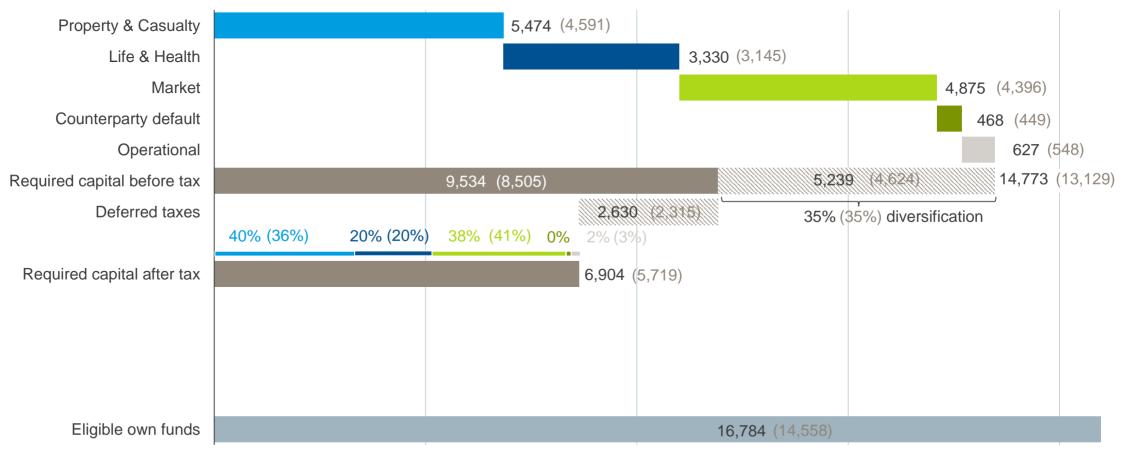
¹⁾ Foreseeable dividends and distributions incl. non-controlling interests

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





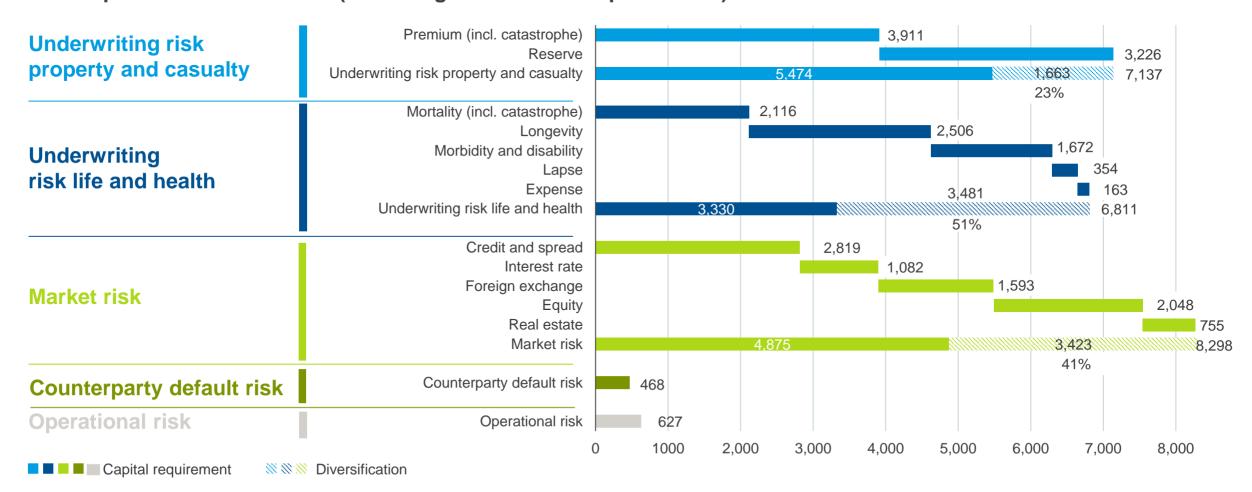
As at 31 December 2021 (2020)
Solvency capital requirements based on the internal model
Capital allocation based on Tail Value-at-Risk taking account of the dependencies between risk categories



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



hannover **re**®

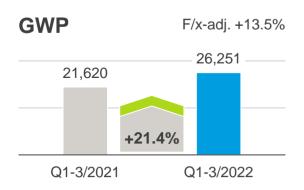
Agenda

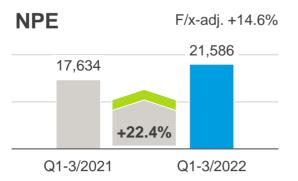
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2	Property & Casualty reinsurance	33
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5	Capital management	66
6	Interim results Q1-3/2022	78
7	Outlook	89
	Appendix	92

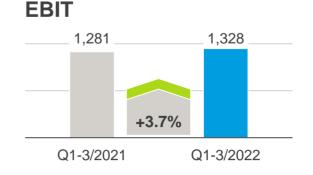


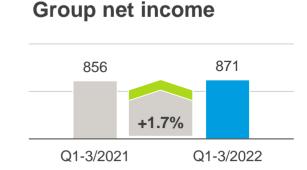
Group net income target for 2022 remains achievable

Return on equity of 11.5% despite significant loss burden in first nine months 2022









11.5% **Return on Equity**

above target of 8.8%

C/R: 99.2%

EUR 68.42 Book value per share

-30.6%; due to lower OCI

L&H R/I

EBIT: 441 m.

- Moderate premium growth +6.6% (f/x adjusted +1.1%)
- Strong underlying performance, particularly in Financial Solutions and Longevity
- EBIT impacted by
- declining Covid-19 mortality claims of EUR 228 m. partly offset by positive effect of EUR 97 m. from extreme mortality retro cover
- Negative effect from reinsurance derivative (EUR -144 m.)

232% **Solvency II ratio**

30.09.2022



Investments

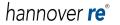
Rol: 2.9%

- AuM at EUR 58.0 bn. (+3.2%), strong operating cash flow offsets negative effects from asset valuation
- Rol from AuM 2.9%, above target of >2.5%
- Ordinary investment income +30.1%, supported by contribution from inflation-linked bonds, rising reinvestment yields and real estate

P&C R/I

- Strong and diversified premium growth +27.6% (f/x adjusted +18.6%)
- · Large losses of EUR 1,484 m. exceeding budget of EUR 1,079 m. (incl. EUR 276 m. for hurricane "lan")
- Precautionary reserving related to war in Ukraine at EUR 331 m. (1H/2022: EUR 316 m.)
- Negative PYD for large losses
- Covid-19: increased frequency of claims in Asia A&H business, partly offset by reserve releases in Credit

Figures in EUR millions, unless otherwise stated



Continued strong growth in an improving pricing environment Result impacted by loss activity, partly offset by inflation protection

Property & Casualty R/I in m. EUR	Q3/2021	Q3/2022	Q1-3/2021	Q1-3/2022
Gross written premium	5,003	6,562	15,269	19,484
Net premium earned	4,229	5,742	12,076	15,562
Net underwriting result incl. funds withheld	(64)	25	253	121
Combined ratio incl. interest on funds withheld	101.5%	99.6%	97.9%	99.2%
Net investment income from assets under own management	387	340	957	993
Other income and expenses	(40)	(64)	(148)	(227)
Operating profit/loss (EBIT)	283	301	1,061	887
Tax ratio	43.7%	37.3%	26.1%	29.0%
Group net income	147	146	739	545

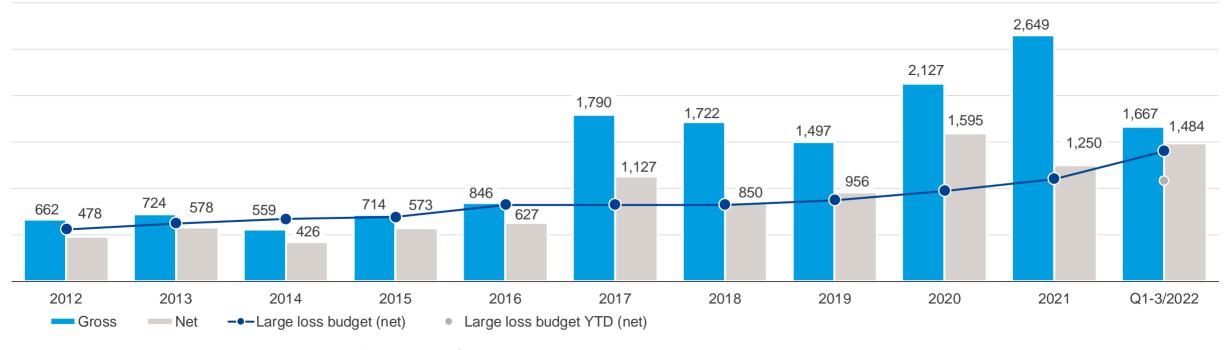
YTD

- GWP f/x-adjusted +18.6%, diversified growth from traditional and Structured Reinsurance business
- NPE f/x-adjusted +20.2%
- Net large losses of EUR 1,484 m. (9.5% of NPE) above budget of EUR 1,079 m. for Q1-3/2022
- Precautionary reserving related to war in Ukraine at EUR 331 m. (1H/2022: 316 m.)
- Covid-19: increased frequency of claims in Asia accident & health business, partly offset by reserve releases in Credit, net negative impact of ~EUR 150 m.
- Negative PYD for large losses (e.g. Brazil drought (EUR 130 m.), Texas Freeze and Malaysia Floods)
- Increase in net investment income principally due to strong ordinary investment income, supported by inflation linkers (EUR 301 m.)
- Other income and expenses mainly driven by negative currency effects

Major losses already above full-year budget 2022 EUR 321 m. remains budgeted for large losses in Q4

Natural and man-made catastrophe losses¹⁾

in m. EUR



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

9%	1%	9%	0%	7%	0%	8%	1%	9%	0%	1/%	12%	14%	0%	10%	1%	13%	11%	14%	0%	9%	10%
Large lo	Large loss budget (net) in m. EUR																				
560	0	625		67	70	690	C	82	5	82	5	82	5	87	5	975	5	1.10	00	1.4	00



¹⁾ Natural catastrophes and other major losses in excess of EUR 10 m. gross

NatCat losses above YTD budget, driven by increased loss activity in Q3 Hurricane "lan" net loss reflects our modest market share in Florida

Catastrophe losses ¹⁾ in m. EUR	Date	Gross	Net
Storm "Ylenia/Zeynep", Europe	16 - 19 Feb	130.4	114.8
Rain and flood, Australia	21 Feb - 3 Mar	272.5	210.6
Earthquake, Japan	16 Mar	14.0	14.0
Floods, South Africa	8 - 15 Apr	85.5	85.4
Storm / hail, USA	10 - 15 Apr	22.3	10.3
Storm / hail , USA	9 - 12 May	75.4	49.3
Storm, Canada	21 May	15.7	8.7
Tornadoes / hail, USA	27 - 31 May	12.8	9.4
Storm / hail, France	2 - 6 Jun	44.7	33.2
Storm / hail, USA	4 - 7 Jun	14.4	4.5
Storm "Qiara", France	19 - 23 Jun	111.1	84.1
Floods, South Korea	7 - 10 Aug	28.7	28.7
Typhoon "Nanmandol", Japan 2)	18 - 19 Sep	64.5	64.5
Hurricane "Fiona", Caribbean, USA, Canada 2)	18 - 22 Sep	47.0	43.0
Typhoon "Noru", Philippines 2)	25 - 26 Sep	15.0	15.0
Hurricane "Ian", USA 2)	27 - 29 Sep	276.0	276.0
16 Natural catastrophes		1,229.8	1,051.4



¹⁾ Natural catastrophes and other major losses in excess of EUR 10 m. gross Large loss budget 2022: EUR 1,400 m., thereof EUR 250 m. man-made and EUR 1,150 m. NatCat

²⁾ Based on own IBNR estimate only (top-down approach); actual gross loss expected to be higher due to retrocession and ILS business

Man-made losses within budget; Russia/Ukraine IBNR unchanged

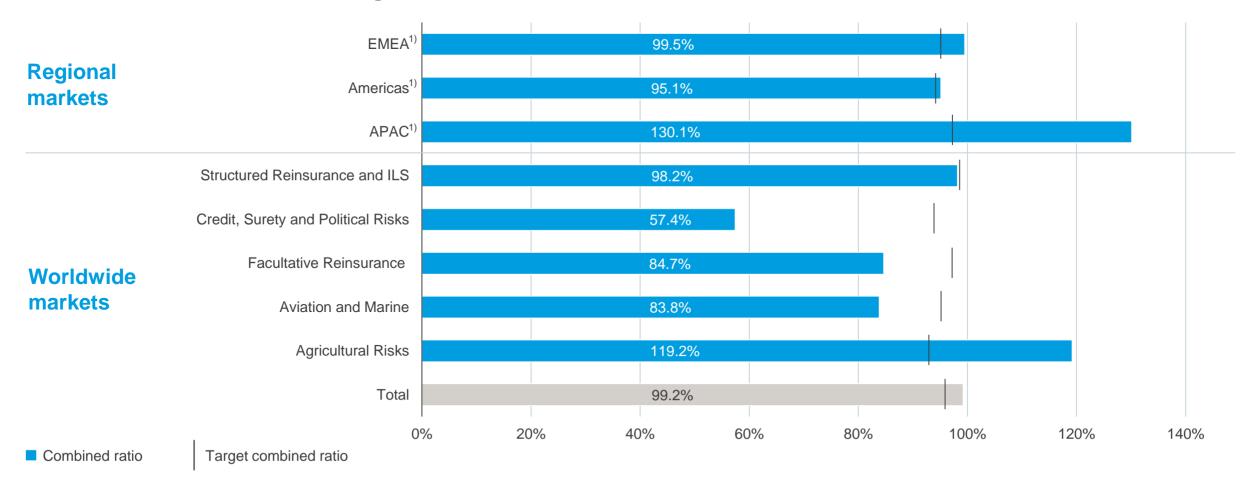
Catastrophe losses ¹⁾ in m. EUR	Gross	Net
16 Natural catastrophes	1,229.8	1,051.4
1 Marine loss	16.9	14.8
1 Credit loss	16.9	16.9
4 Property losses	72.2	70.1
6 Man-made losses	106.1	101.8
22 Major losses	1,335.9	1,153.2
War Russia/Ukraine	330.8	330.8
Total	1,666.7	1,484.0



¹⁾ Natural catastrophes and other major losses in excess of EUR 10 m. gross Large loss budget 2022: EUR 1,400 m., thereof EUR 250 m. man-made and EUR 1,150 m. NatCat

Combined ratios impacted by large losses

Q1-3/2022: Combined Ratio vs. target combined ratios



1) All lines of Property & Casualty reinsurance except those stated separately; EMEA incl. CIS



Strong underlying profitability

Strong earnings in Financial Solutions and Longevity – Covid-19 claims decreasing

Life & Health R/I in m. EUR	Q3/2021	Q3/2022	Q1-3/2021	Q1-3/2022
Gross written premium	2,152	2,347	6,350	6,767
Net premium earned	1,889	2,076	5,558	6,024
Net underwriting result incl. funds withheld	(122)	(41)	(315)	(177)
Net investment income from assets under own management	61	29	185	229
Other income and expenses	102	120	351	389
Operating profit/loss (EBIT)	41	108	220	441
EBIT margin	2.2%	5.2%	4.0%	7.3%
Tax ratio	(9.8%)	15.4%	31.3%	15.4%
Group net income	45	90	150	369

YTD

- GWP f/x-adjusted +1.1%
- NPE f/x-adjusted +2.5%
- Technical result includes declining Covid-19 losses of EUR 228 m. (Q1-3/2021 EUR 404 m.), thereof US: EUR 113 m.
- Ordinary investment income increased primarily due to higher contribution from fixed income
- Fair value of financial instruments includes positive valuation effect of EUR
 97 m. from extreme mortality cover and negative effect from reinsurance-related derivative in UK (EUR -144 m.)
- Other income and expenses mainly driven by strong contribution from deposit accounted treaties of EUR 338 m. (Q1-3/2021: EUR 282 m.) and one-off recapturing fee income of EUR 40 m.

Stable return on investment of 2.9% above target Strong and increased ordinary investment income

in m. EUR	Q3/2021	Q3/2022	Q1-3/2021 Q1-3/2022		Rol
Ordinary investment income ¹⁾	408	529	1,106	1,432	3.3%
Realised gains/losses	96	(37)	238	15	0.0%
Impairments/appreciations & depreciations	(13)	(61)	(52)	(113)	-0.3%
Change in fair value of financial instruments (through P&L)	(5)	(18)	(48)	10	0.0%
Investment expenses	(36)	(44)	(101)	(122)	-0.3%
NII from assets under own management	449	370	1,142	1,223	2.9%
NII from funds withheld	42	31	215	157	
Total net investment income	491	400	1,357	1,380	

Unrealised gains/losses on investments	31 Dec 21	30 Sep 22
On-balance sheet	2,310	(4,820)
thereof Fixed income AFS	1,299	(5,836)
Off-balance sheet	629	496
thereof Fixed income HTM, L&R	148	(62)
Total	2,939	(4,324)

YTD

- Increasing ordinary income from inflation-linked bonds, higher reinvestment yields, higher return from real estate investments as well as higher asset volume
- Realised gains primarily from liquidation of portfolio of listed equity, largely
 offset by reallocations due to strategic and regular portfolio adjustments,
 liquidity management and partial realisation of a reinsurance-related
 derivative
- Stable depreciation on direct real estate investments; rise in impairments mainly due to fixed income securities impacted by Russia/Ukraine war and alternatives
- Change in fair value of financial instruments through P&L impacted by valuation of reinsurance-related derivatives (UK and extreme mortality cover)
- Decrease in valuation reserves due to higher risk-minimal yield curves and credit spreads on corporates

¹⁾ Incl. results from associated companies

Our business groups at a glance

Q1-3/2022 vs. Q1-3/2021

	Property & 0	Casualty R/I	Life & Ho	ealth R/I	Total		
in m. EUR	Q1-3/2021	Q1-3/2022	Q1-3/2021	Q1-3/2022	Q1-3/2021	Q1-3/2022	
Gross written premium	15,269	19,484	6,350	6,767	21,620	26,251	
Change in GWP	-	+27.6%	-	+6.6%	-	+21.4%	
Net premium earned	12,076	15,562	5,558	6,024	17,634	21,586	
Net underwriting result	220	71	(497)	(284)	(277)	(213)	
Net underwriting result incl. funds withheld	253	121	(315)	(177)	(63)	(56)	
Net investment income	989	1,043	367	336	1,357	1,380	
From assets under own management	957	993	185	229	1,142	1,223	
From funds withheld	32	50	182	107	215	157	
Other income and expenses	(148)	(227)	351	389	201	161	
Operating profit/loss (EBIT)	1.061	887	220	441	1,281	1,328	
Financing costs	(2)	(2)	(1)	(1)	(61)	(64)	
Net income before taxes	1.060	886	219	440	1,219	1,264	
Taxes	(276)	(257)	(69)	(68)	(318)	(306)	
Net income	784	629	150	373	901	958	
Non-controlling interest	44	84	1	3	45	87	
Group net income	739	545	150	369	856	871	
Retention	90.4%	91.3%	88.3%	88.8%	89.8%	90.7%	
Combined ratio (incl. interest on funds withheld)	97.9%	99.2%	-	-	-	-	
EBIT margin (EBIT / Net premium earned)	8.8%	5.7%	4.0%	7.3%	7.3%	6.2%	
Tax ratio	26.1%	29.0%	31.3%	15.4%	26.1%	24.2%	
Earnings per share (in EUR)	6.13	4.52	1.24	3.06	7.10	7.22	

Our business groups at a glance Q3/2022 vs. Q3/2021

	Property & C	Casualty R/I	Life & He	ealth R/I	Total		
in m. EUR	Q3/2021	Q3/2022	Q3/2021	Q3/2022	Q3/2021	Q3/2022	
Gross written premium	5,003	6,562	2,152	2,347	7,155	8,909	
Change in GWP	-	+31.2%	-	+9.0%	-	+24.5%	
Net premium earned	4,229	5,742	1,889	2,076	6,119	7,819	
Net underwriting result	(82)	16	(147)	(63)	(229)	(47)	
Net underwriting result incl. funds withheld	(64)	25	(122)	(41)	(187)	(16)	
Net investment income	405	349	86	50	491	400	
From assets under own management	387	340	61	29	449	370	
From funds withheld	18	9	25	21	42	31	
Other income and expenses	(40)	(64)	102	120	63	55	
Operating profit/loss (EBIT)	283	301	41	108	325	409	
Financing costs	(1)	(1)	(0)	(0)	(21)	(21)	
Net income before taxes	283	301	41	107	303	387	
Taxes	(124)	(112)	4	(16)	(106)	(122)	
Net income	159	189	45	91	197	266	
Non-controlling interest	12	43	(0)	1	12	44	
Group net income	147	146	45	90	185	222	
Retention	88.4%	90.6%	88.4%	88.8%	88.4%	90.1%	
Combined ratio (incl. interest on funds withheld)	101.5%	99.6%	-	-	-	-	
EBIT margin (EBIT / Net premium earned)	6.7%	5.2%	2.2%	5.2%	5.3%	5.2%	
Tax ratio	43.7%	37.3%	(9.8%)	15.4%	35.0%	31.4%	
Earnings per share (in EUR)	1.22	1.21	0.37	0.74	1.54	1.84	

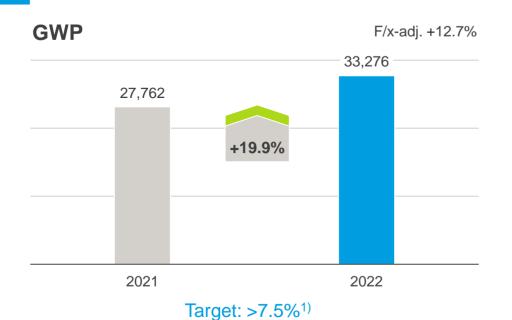
Agenda

1	Hannover Re Group	2
2	Property & Casualty reinsurance	33
3	Life & Health reinsurance	45
4	Investment management	59
5	Capital management	66
6	Interim results Q1-3/2022	78
7	Outlook	89
	Appendix	92

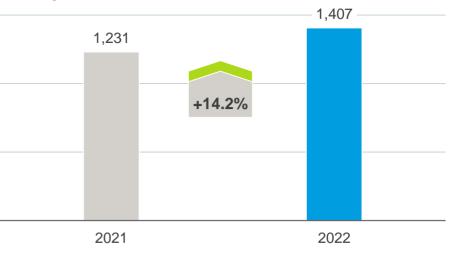


Net income within target range, premium growth above expectations

Preliminary key figures for 2022 – Return on equity 2022: 14.1%



Group net income



Target: at the lower end of the EUR 1.4 - 1.5 bn. range



P&C R/I

 U/W result impacted by higher than expected losses from current and prior years



L&H R/I

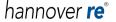
 Positive underlying profitability and decreasing Covid-19 claims; investment income supported by one-off gains



Investments

 Very strong Rol from AuM: 3.2% supported by inflation-linked bonds

Figures in EUR millions, unless otherwise stated and according to IFRS 4 / IAS 39 1) At unchanged f/x rates



Guidance for 2023

Reinsurance revenue¹⁾

Ordinary dividend

based on new accounting standards IFRS 17/9

Hannover Re Group

-	Tremsurance revenue	
•	Return on investment 2)	≥ 2.4%
•	Group net income ²⁾	≥ EUR 1.7 bn.

- Special dividend ______ if capitalisation exceeds capital requirements for future growth and profit
 - targets are achieved



> 5% growth

≥ prior year

¹⁾ At unchanged f/x rates

²⁾ Subject to no major distortions in capital markets and/or major losses not exceeding the large loss budget of EUR 1.725 bn. in 2023 and no further significant impact from Covid-19 on L&H result

Agenda

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Financial calendar and our Investor Relations contacts



Annual Press Conference and Analysts' Conference



Annual General Meeting



Quarterly Statement as at 31 March 2023



Half-year Report as at 30 June 2023

9 November 2023

Quarterly Statement as at 30 September 2023



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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	DAX
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 WTW

- The scope of WTW's work was to review certain parts of the held loss and loss adjustment expense reserve, net of outwards reinsurance, from Hannover Re Group's consolidated IFRS financial statements as at each 31 December 2021, and the implicit redundancy margin, for the non-life business of Hannover Re Group. WTW concludes that the reviewed loss and loss adjustment expense reserve, net of reinsurance, less the redundancy margin is reasonable in that it falls within WTW's range of reasonable estimates.
- · Life reinsurance and health reinsurance business are excluded from the scope of this review.
- WTW's review of non-life reserves as at 31 December 2021 covered 98.6% / 99.7% of the gross and net held non-life reserves of €35.1 billion and €32.6 billion respectively. Together with life reserves of gross €5.7 billion and net €5.5 billion, the total balance sheet reserves amount to €40.8 billion gross and €38.1 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 WTW'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 WTW'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.
- WTW's analysis is carried out based on data as at evaluation dates for each 31 December review; WTW has undertaken annual reviews since year-end 2009 onwards. WTW's analysis may not reflect developments or information that became available after the valuation dates and WTW's results, opinions and conclusions presented herein may be rendered inaccurate by developments after the valuation dates. Specifically, consequences of the Russia-Ukraine conflict are not reflected in our analyses and projections as at 31 December 2021.
- As is typical for reinsurance companies, claims reporting can be delayed due to late notifications by some cedents. 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. WTW'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 Re Group'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.
- WTW 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, WTW'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 WTW's estimates are on the basis that all of Hannover Re Group's reinsurance protection will be valid and collectable. Further liability may exist for any reinsurance that proves to be irrecoverable.
- WTW's estimates are in Euros based on the exchange rates provided by Hannover Re Group 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.
- WTW has not attempted to determine the quality of Hannover Re Group's current asset portfolio, nor has WTW reviewed the adequacy of the balance sheet provisions except as otherwise disclosed herein.
- In its review, WTW has relied on audited and unaudited data and financial information supplied by Hannover Rück SE and its subsidiaries, including information provided orally. WTW relied on the accuracy and completeness of this information without independent verification.
- Except for any agreed responsibilities WTW may have to Hannover Re Group, WTW 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 WTW in this document.



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