



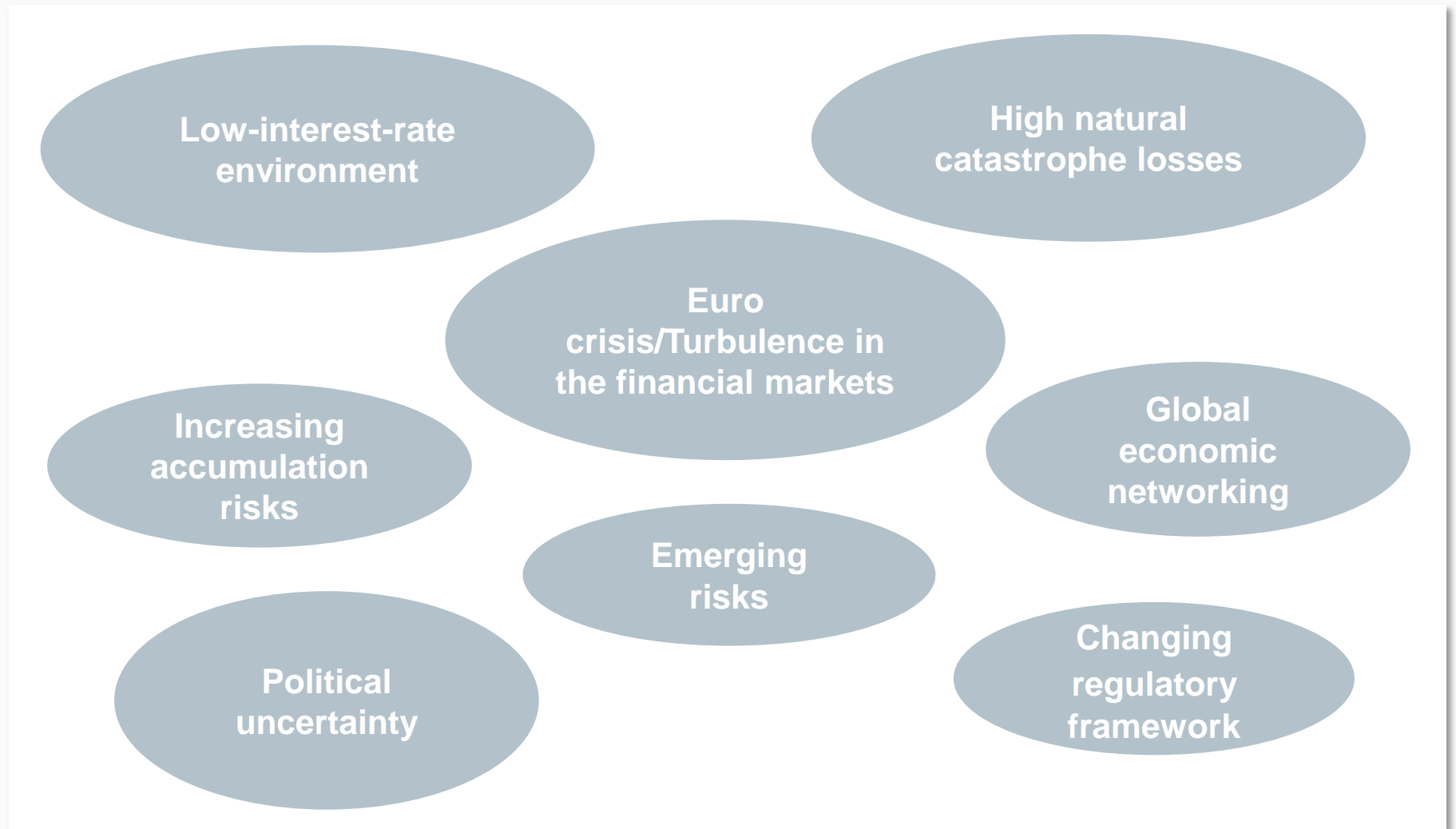
BADEN-BADEN 2011

IS THE MARKET READY TO CHANGE?

24 October 2011

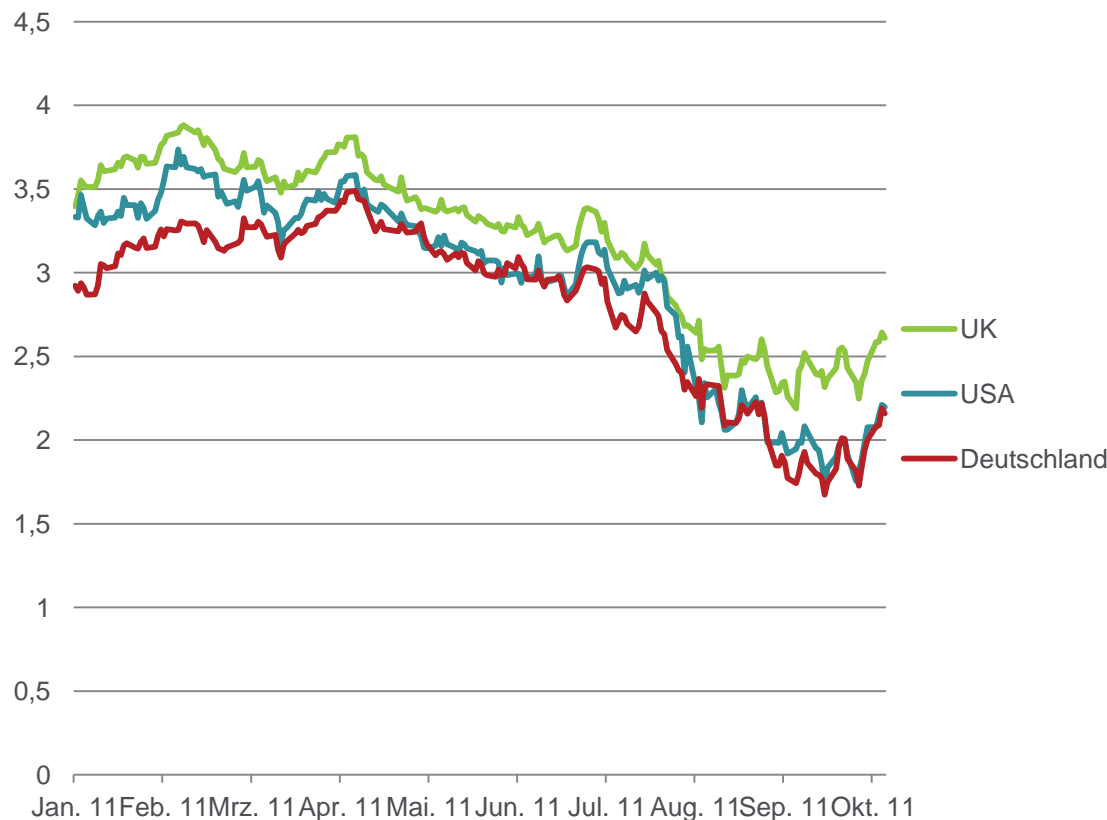
Ludger Arnoldussen

Key topics and challenging issues for the insurance business



Generally low-interest environment – Crisis signalled by sharply falling yields throughout the year

Yields on ten-year government bonds



Source: Bloomberg

- Falling interest rates have a positive effect on the capital base of insurers, but an adverse effect on future investment income.
- Low-interest-rate environment has to be reflected in the pricing, esp. in long-tail business.
- Substantial international differences despite generally low-interest-rate environment.

Low-interest-rate environment: Shock or opportunity for the industry?

- Reduced investment income
- Capital relief measures may be necessary
- Low interest rates also have a salutary effect on the non-life market (cash-flow-underwriting opportunities are limited)
- Reinsurers have to reflect the low-interest-rate environment in their pricing
- Solvency II – the insurance industry in Europe is on the right track

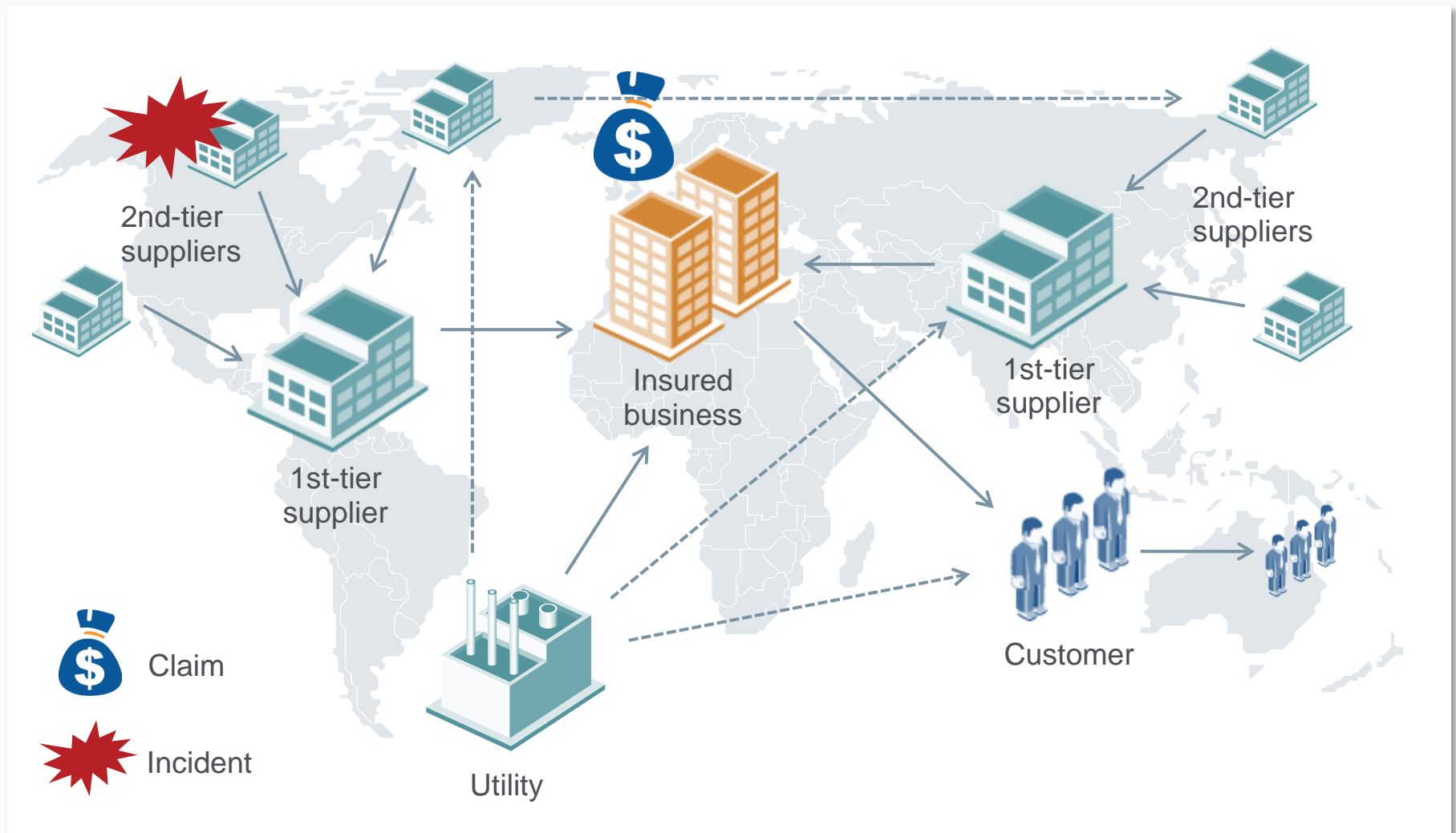
Low interest rates make price increases necessary, especially in the case of long-tail risks.

Current bywords – Maastricht treaty and eurobonds:

- Amending the Maastricht treaty to address future challenges
 - Sanctions and regulations to ensure the success of the treaty
 - Fiscal union and a common budgetary policy are a precondition of eurobonds
- Effective mechanisms for taking action at European level

Contingent business interruption (CBI)

The problem

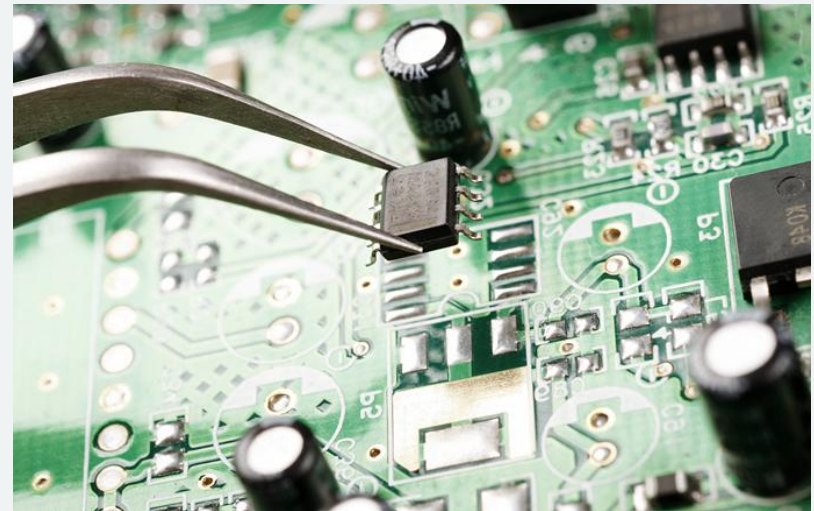


- Definition of **critical supply industries**:
Industries that produce parts on which other industries are highly dependent and whose failure could lead to a material CBI loss in those industries
- Critical supply industries identified in the context of the CBI underwriting strategy:

Automotive suppliers



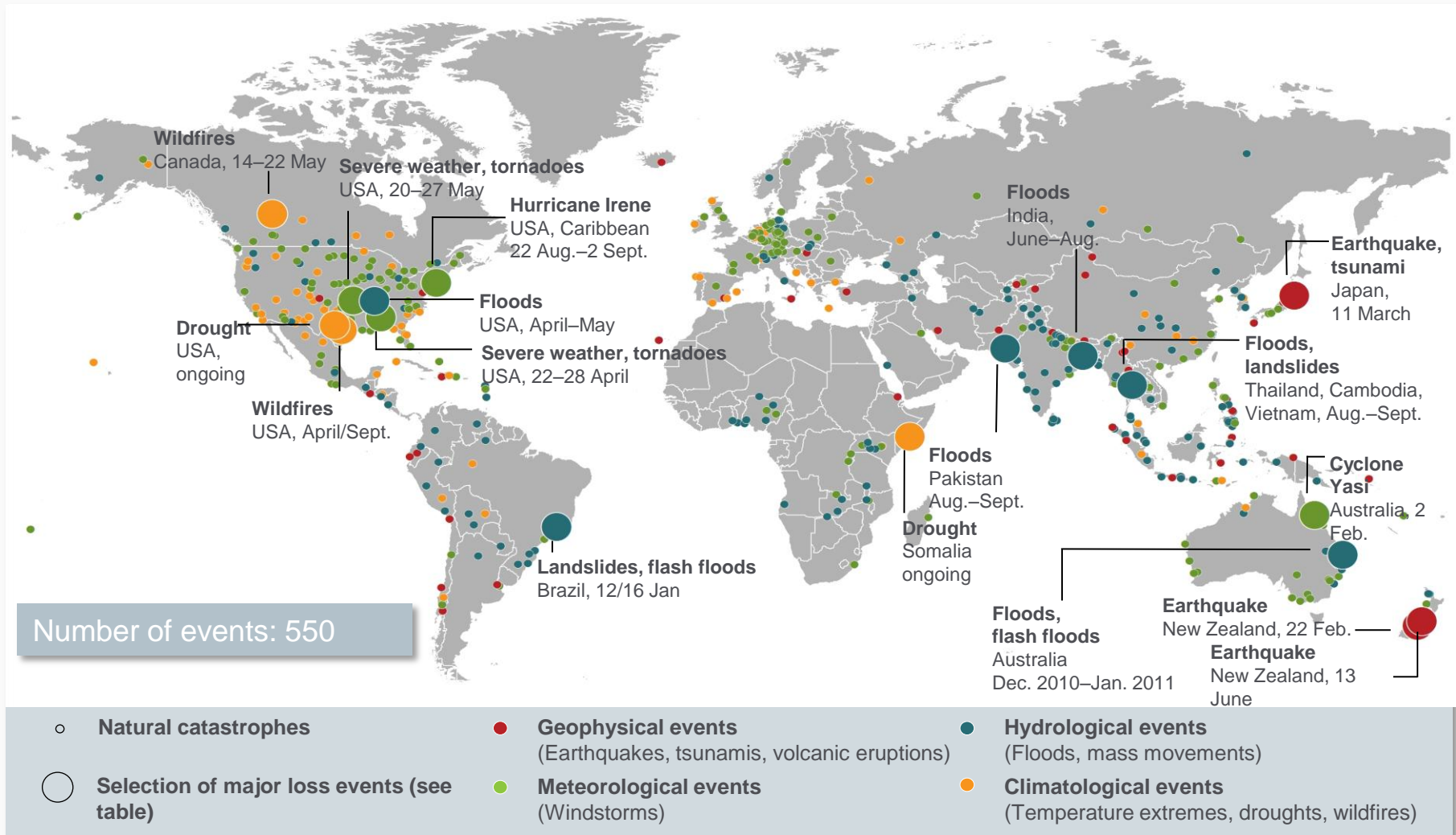
Semiconductor production



Combination of country/region, accumulation hazard and the particular supply industry

Semiconductor production	Automotive suppliers
Japan earthquake	Japan earthquake
Japan typhoon	Japan typhoon
Taiwan earthquake	US Midwest earthquake
Taiwan typhoon	US LA/California earthquake
US Pacific Northwest earthquake	

Natural catastrophes January–September 2011



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Munich Re's own models are regularly checked and optimised using all available information:

- Our own analysis results
- Studies like the GDV's "Scenarios for Germany – Impacts of climate change on the loss situation in the insurance industry"
- Findings produced by external models

Conclusion:

- Windstorm modelling has improved thanks to new data on current storms and revised historical data.
- The updating of Munich Re's Storm Europe model results overall (including in Germany) in an increase in the burning cost

**From the insurers' perspective, the reinsurance structure may need adjustment to maintain the present level of protection.
→ Munich Re will continue to make available its previous high capacity provided technically adequate prices are achieved.**

Factors putting upward pressure on pricing

- **Prolonged low-interest rate environment** – Quite likely scenario
- **Reserve releases drying out** – Redundancies largely exhausted
- **Introduction of RMS11** – Impact to become increasingly visible
- **Reduced capacity** – Result of large losses, but still artificially inflated industry capital

Fragmentation of p-c reinsurance market

Examples

- US casualty
- Proportional business

Examples

- Loss-affected segments
- Nat cat business
- Large commercial business
- Specific motor markets

Stable

Expected price change

Increasing

Renewals 2011 – Munich Re's portfolio

%	100	-15.8	84.2	5.1	15.1	104.3
€m	10,596	1,678	8,918	540	1,595	11,052

Change in premium:

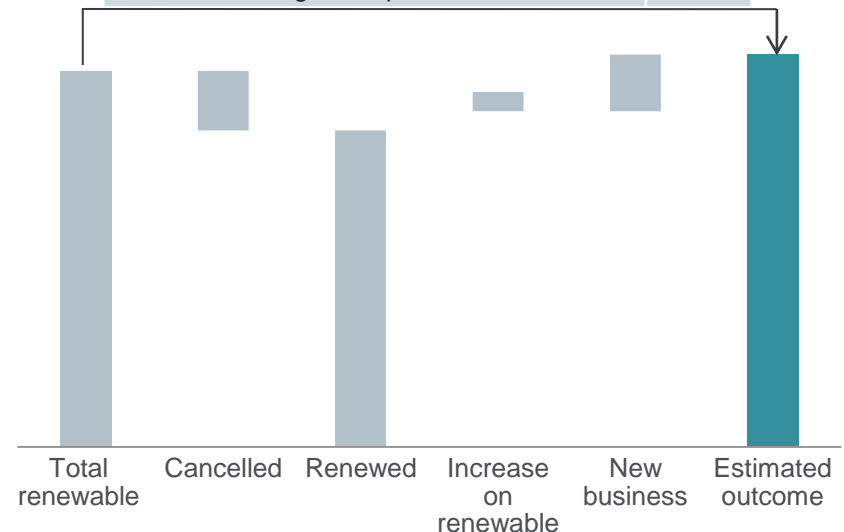
+4.3%

- Thereof price movement:

+1.0%

- Thereof change in exposure for our share:

+3.3%



Munich Re actively managing the reinsurance cycle – Overall improving prospects with differing characteristics depending on business line and area



- Reinsurance and primary insurance market further affected by capital market fluctuations, primarily due to debt crisis and low-interest-rate environment
- Reinsurance markets remain fragmented
- Cycles flatten out

Strict focus on profitability is more vital than ever in times of major uncertainty.

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