

El rol de reaseguro en la gestión de riesgos

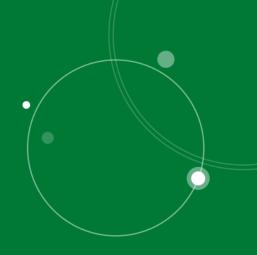
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Your Swiss Re Team

Agenda

- 1. Integrated risk management
- 2. Increase resilience
- 3. Parametric insurance mass distribution
- 4. Structured reinsurance



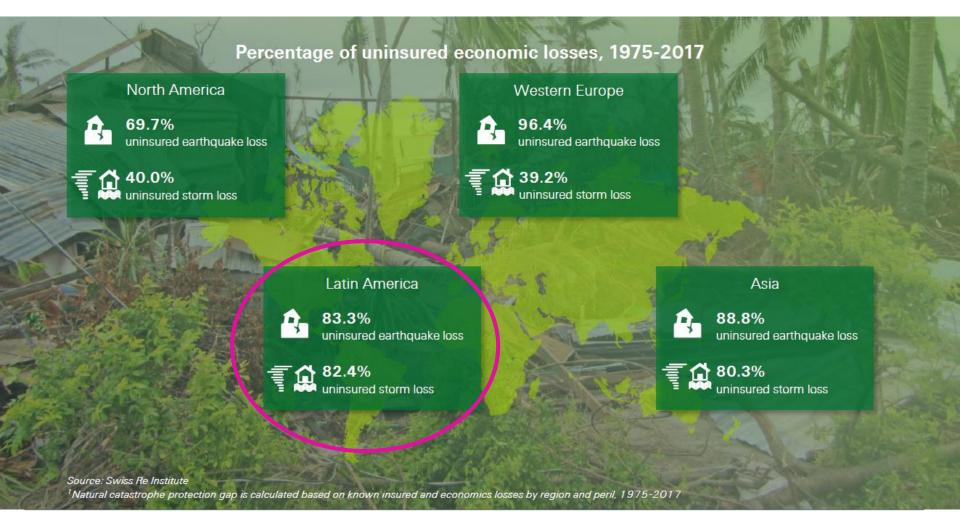




Integrated risk management



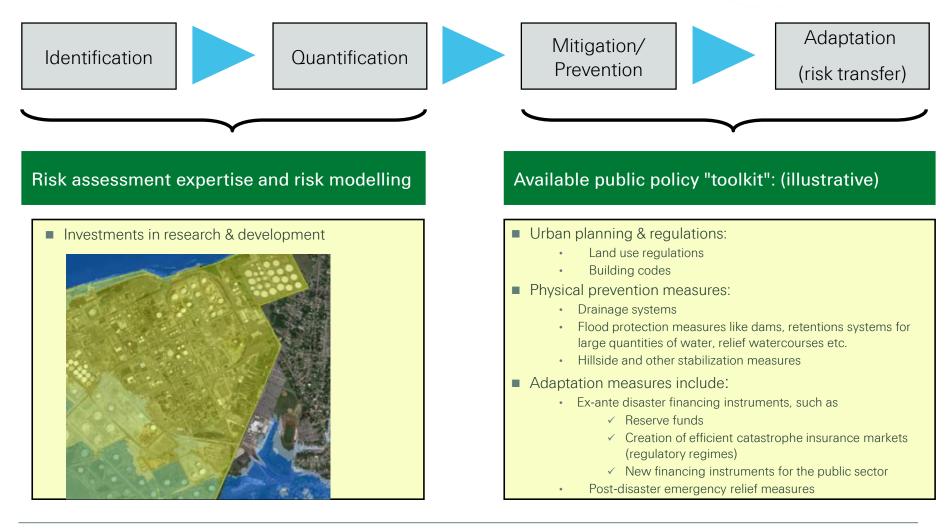
Nat Cat risks are largely uninsured Global Nat Cat protection gap totalled USD 193bn in 2017



Swiss Re

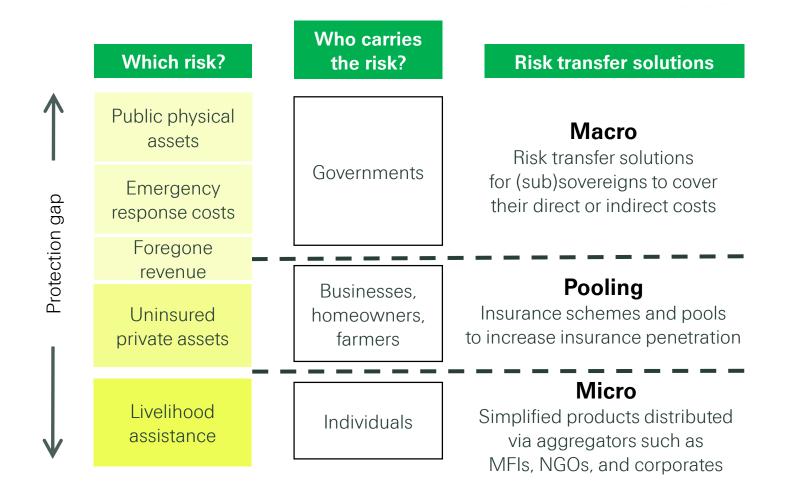
Integrated risk management

Strategy for climate change adaptation



Integrated risk management

Public & private sector – Combined response





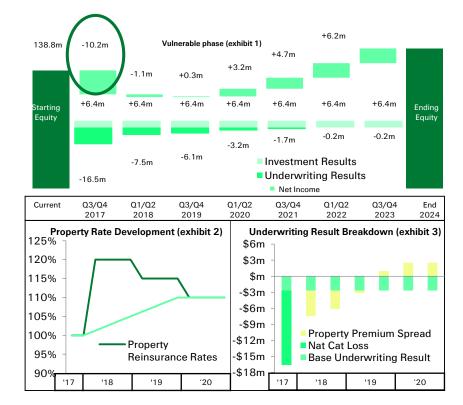
Increase Resilience



- Losses will stress and strain your infrastructure (evacuation, debris, limited transportation, business interruption)
- You will be expected to pay claims fast
- You might completely underestimate the claims burden, its adverse development and settlement time
- You might not have bought **enough reinsurance cover**, backing up the loss burden
- You might realize **weaknesses in underwriting** and mistakes
- Cash flow might be limited and insufficient, however the liquidity/financing need immediate
- Your surplus capital might not be sufficient to **maintain your solvency** level, you might need to hustle for more capital or you risk to get downgraded or go bankrupt
- Access to capital markets post event is expensive and restricted, credit downgrades might and challenge your future existence
- Regulator and rating agencies will assess your capital position and enterprise risk management capabilities

Lessons learned

Reinsurance markets react faster than primary insurance markets



- A mid-size event erodes 10% of the equity; don't even imagine a spill-over caused by an extreme event
- The vulnerable phase lasts some 3 years (exhibit 1)
- Reinsurance markets will react faster than primary insurance markets ("the sandwich") (exhibit 2,3)
- Reinsurance rates will go up
- Original market price level might not be risk adequate
- Risk mitigation makes up a major part of the total P&L expenses
- Any additional issue may cause an exit
- How to be **resilient** and have long-term peace of mind?

Reinsurance answer to potential threat scenarios

Optimize Property Cat protection

Operational-/risk transfer efficiency and funds protection

Multi-year with flexible cession

Strategic multi-multi-year (with flexible cession rate) to elevate the interaction between reinsurer and insurer

International "de-risking"

International "de-risking" if possible, to manage capitalization of legal entities

Innovative insurance solutions can close the protection gap and support clients to face a number of unexpected challenges



Parametric insurance mass distribution



Parametric insurance value proposition

Fast, flexible and affordable



Parametric insurance makes sense when traditional insurance is not accessible or affordable



Parametric insurance acts as a complement to traditional insurance, not as a substitute

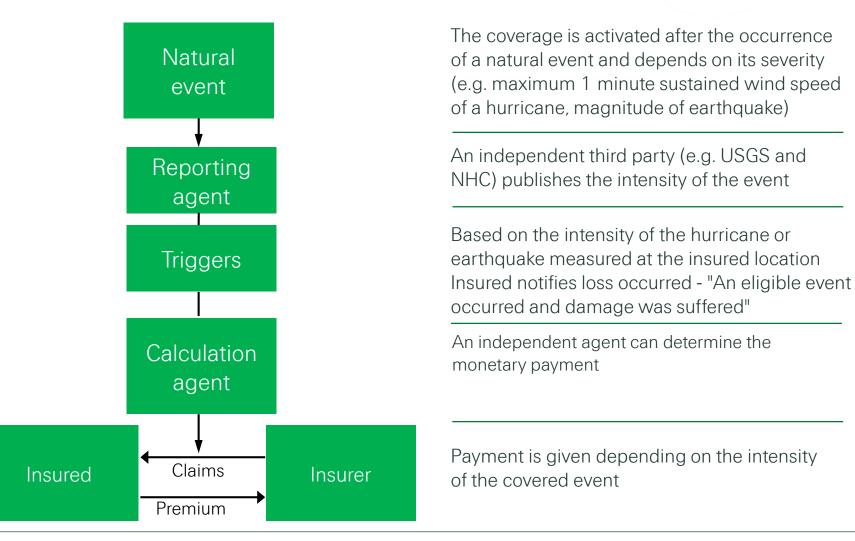


Parametric insurance offers immediate pay out for emergency cash relief

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Parametric insurance value proposition

Transparent for the consumer



🗊 Swiss Re

Example: Nat Cat parametric solutions

Earthquake & Tropical cyclone

Earthquake



"Shake vouchers" provide quick cash after an earthquake for insureds to cover incidental losses and expenses. The policy complements property damage insurance with small monetary amounts based on the shake intensity of individual locations worldwide.

€ -1/-

Tropical cyclone

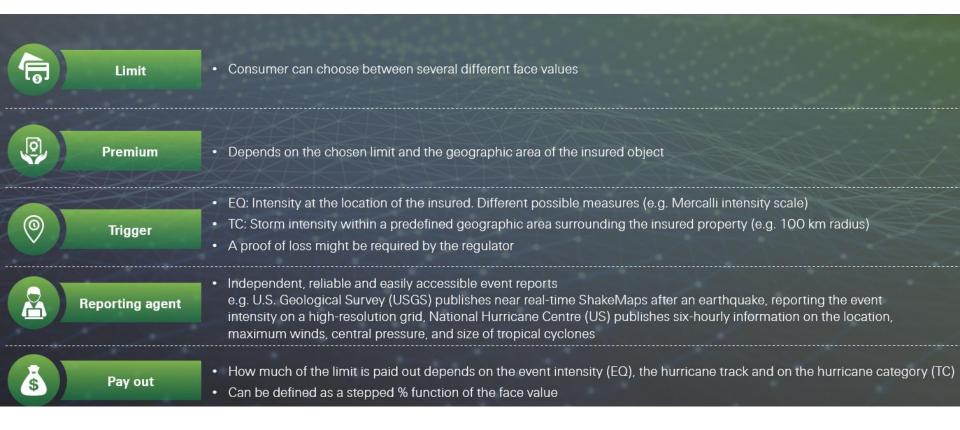


"Loss of income" covers combine business interruption and supplemental loss covers. For example, in the aftermath of a hurricane, beachfront hotels may experience losses due to cancellations even if they are not directly affected by the event. The policy pays out a lump sum to be spent at the insureds' discretion if a hurricane occurs within a predefined geographic area surrounding the insured property (e.g. within a 100 km radius of the hotel).



Parametric insurance product

Quick cash to pay for incidental losses and expenses, loss of income for high risk areas

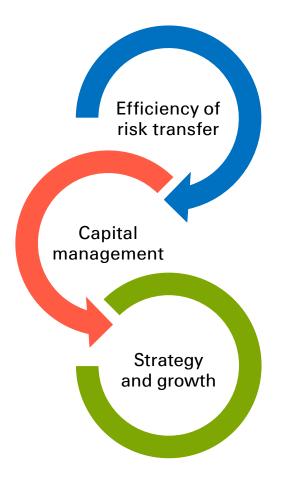




Structured reinsurance



Reinsurance is Shifting Towards Serving Many Goals



- Combine multiple risks and/or triggers
- · Focus on the joint distribution of all risks
- Integration of alternative capacity
- Provide capital relief
- Reduce cost-of-capital and increase capital efficiency; substitute balance sheet capital
- Release trapped capital and monetizing future expected cash flows
- Fund acquisition expenses and negative cash flows associated with growth of new business
- Flexible, on-demand capital relief
- Technical and market expertise

Structured reinsurance

What is is and what to pay attention to

- Strategic/structured reinsurance is not a product
- It is an extension of traditional reinsurance using features that help tailor the risks ceded to the individual needs, challenges and strategic objectives of the clients
- When considering offering a solution for our clients we always check for risk transfer and structural integrity
- At Swiss Re we exercise particular care when involved in any transactions that fall outside 'traditional risk transfer'.

Structural integrity

What is driving the purchase? Have we considered all stakeholders? Why this alternative?

Any regulatory, accounting, or tax issues? Does buyer need surplus relief or surplus? Is the regulator/auditor informed? Pass the WSJ test?

Alignment of Interest / Robustness of Structure

Are the incentives correct in all possible scenarios? Do we suffer and celebrate together? Have we tested robustness of model/assumptions? The role of reinsurance in an ever evolving society

Capital Management Solutions

A complement to other corporate finance instruments

Products to close the Protection Gap

Creating simpler, more affordable products to increase the insurance penetration

Strategic Capacity Provider

Risk transfer in all lines of business

THANK YOU

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