Global trends in capital management

Presentation to the Institute of Actuaries of Japan Greg Solomon & Carl Moxley, Swiss Re

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2

Contents

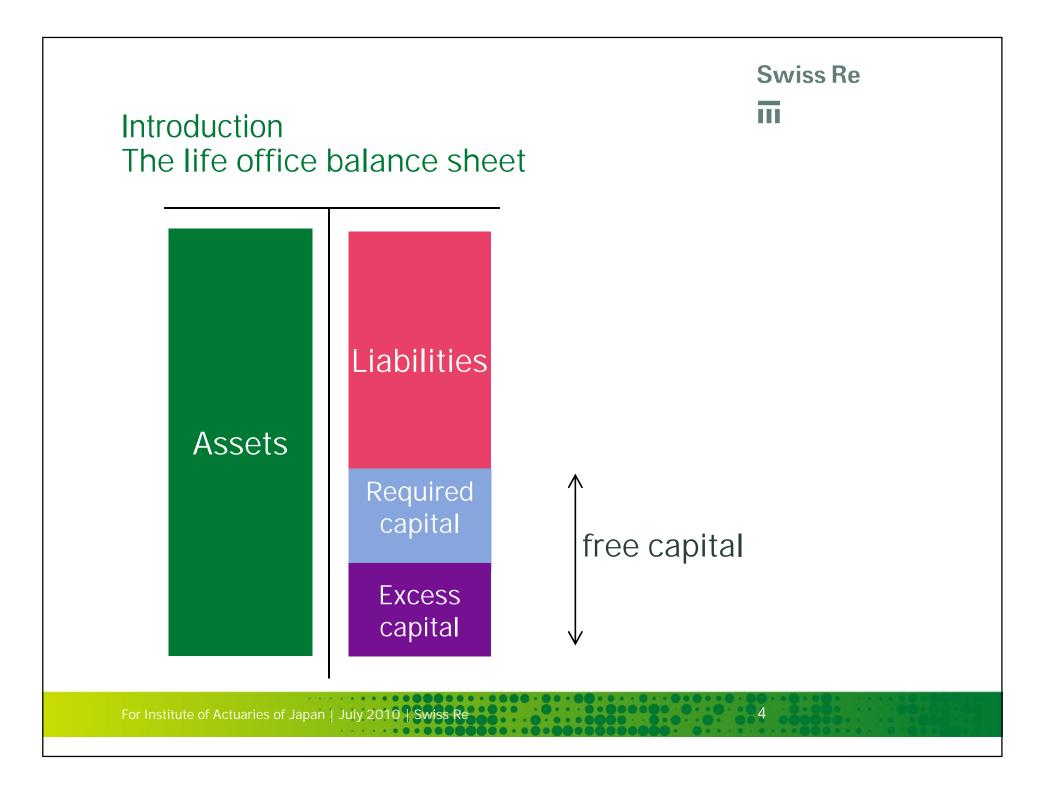
- Introduction
- Determining capital requirements
- Demand for capital
- Solvency II
- Conclusions

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3

Introduction Focus on capital

- What is capital
- Why is it needed
- Recent capital-driven events
- Solvency II even outside Europe

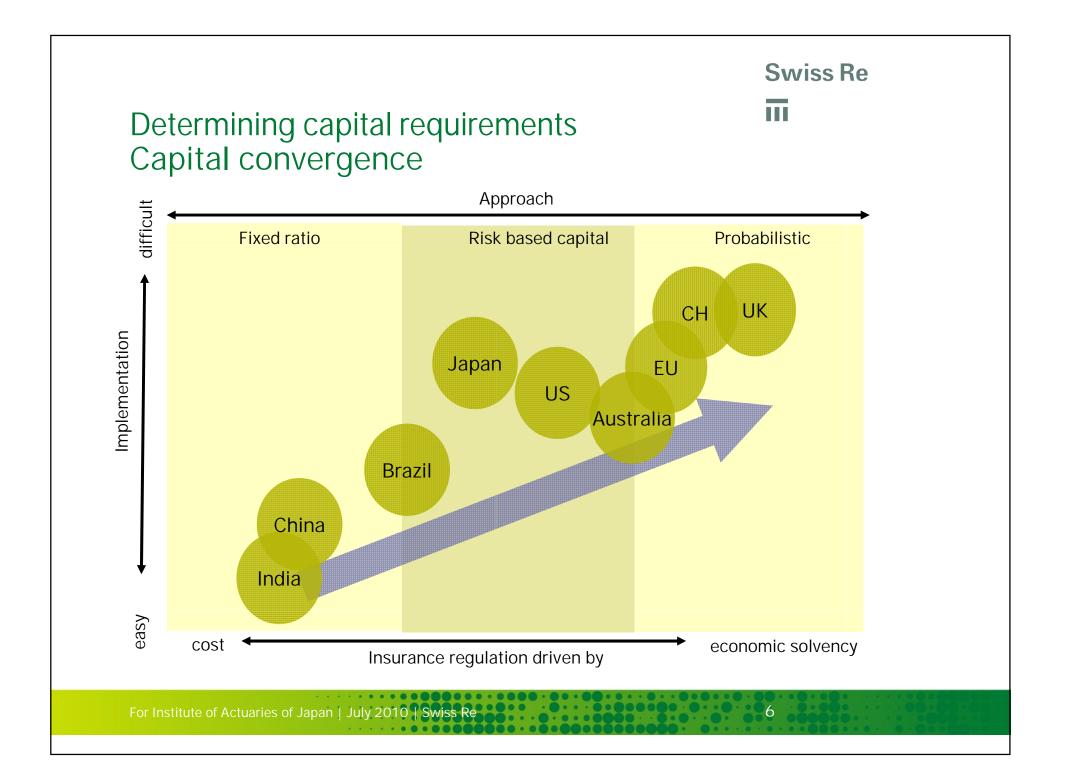




5

Demand for capital Capital usage

- New business strain
- Published solvency
- Capacity for M&A (aggressive & defensive)
- Withstand adverse deviations
- etc.



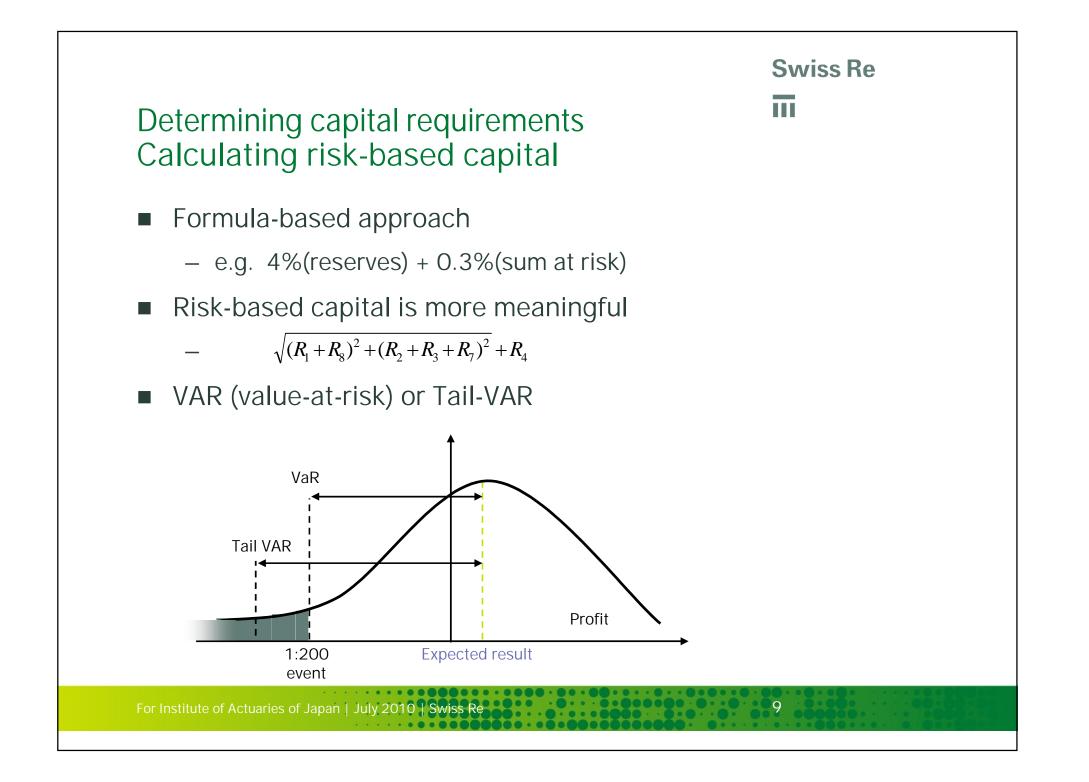
Determining capital requirements Three different perspectives

- Regulatory capital
 - measuring solvency
 - more conservative
- Ratings capital
 - S&P, Moody's, Fitch ...
 - attempts to be realistic
- Risk capital
 - internally calculated
 - the most realistic?

8

Determining capital requirements Using all three perspectives

- The importance of each to the company
- Costing insurance products
 - maximum of (regulatory, ratings, risk)
 - average of (regulatory, ratings, risk)
 - most relevant of (regulatory, ratings, risk)
- Can make big difference to competitiveness of products



Demand for capital 2008/9 capital crisis

- Lots of structured deals, reinsurance & banking
- Less capital-intensive products / withdraw products
- Close to new business
- Government intervention
- CP market dried up
- Ratings triggers
- Impact on CDS ...



11

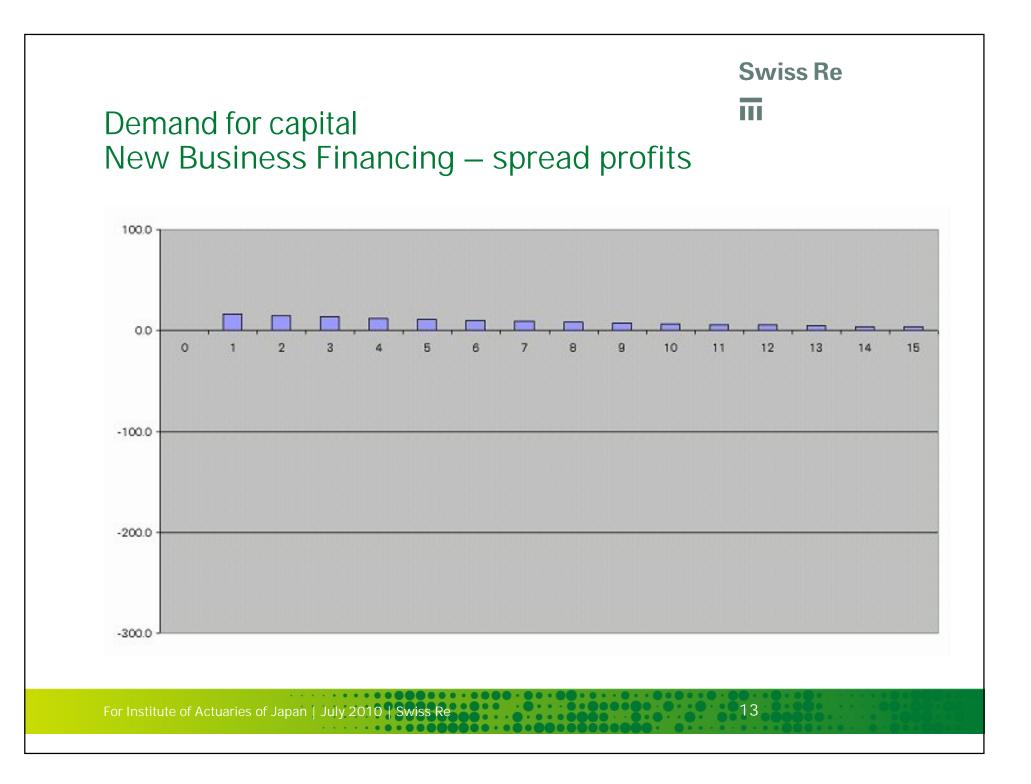
Demand for capital Tools for providing capital

- Government bail-outs
- Equity / demutualisation
- Sale of business / Admin Re[®]
- Insurance-linked securities
- Financial reinsurance / new business financing
- Debt / sub-debt / contingent loans
- Stop-loss covers (particularly for risk-based capital)
- Traditional quota share reinsurance
- Various hybrid solutions
- etc.

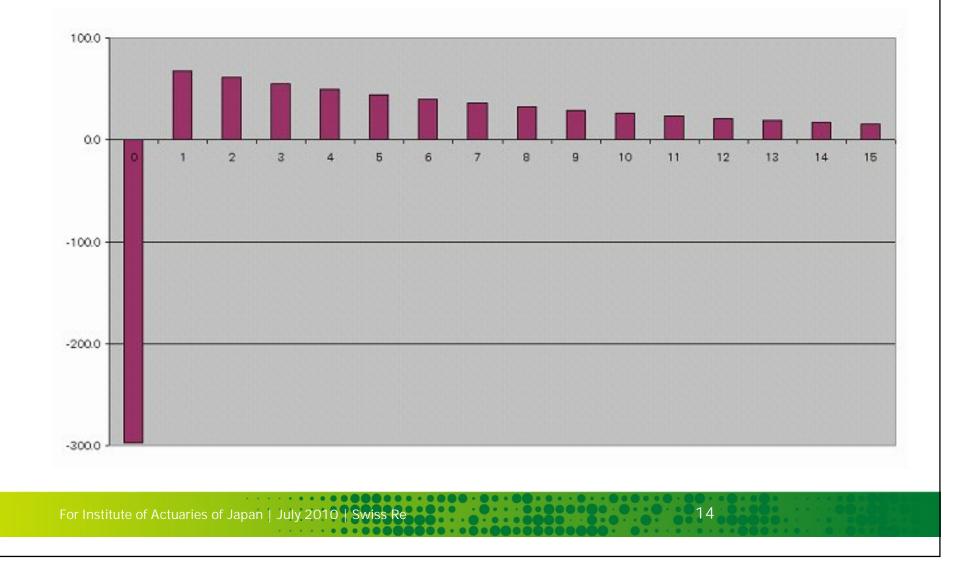
12

Demand for capital Characteristics of insurance capital

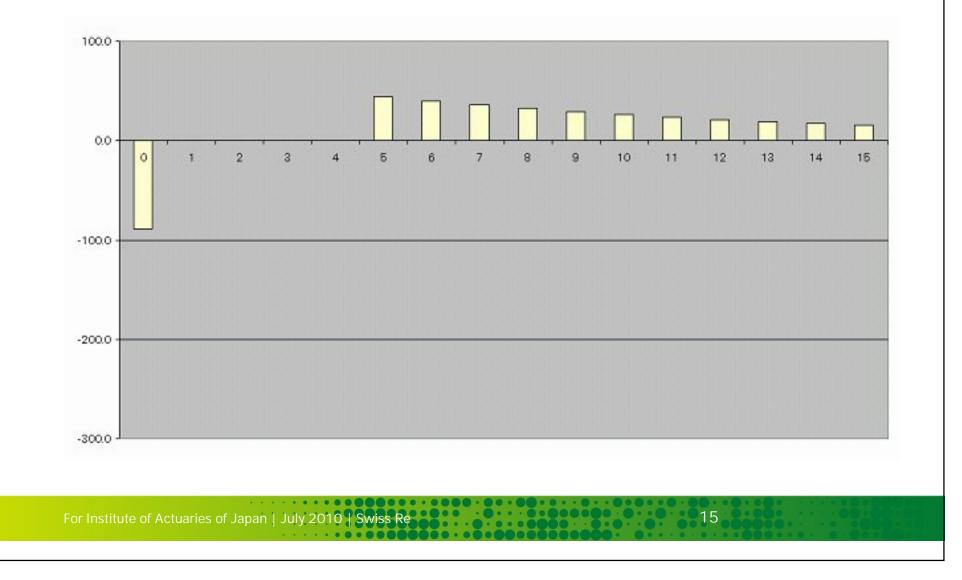
- Can impact on different 'perspectives' of capital
- Group capital
 - admissibility
 - fungibility
- Liquidity / Duration
- Tier 1 -vs- Tier 2 -vs- Tier 3
- Implementation
 - size & cost
 - time required



Swiss Re Demand for capital New Business Financing – regulatory profits



Demand for capital **m** New Business Financing – post-finance profits



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16

Solvency II Introduction

- European scope
- Timeline
 - started early 2000
 - implement 1 January 2013 (maybe)
 - consistent calibration and feedback process
- Economic principles, risk-based assessment of assets and liabilities
- Full interaction of risk management and capital
- Solvency II (as a concept) reaches Asia

Solvency II Aims

- Enhance policyholder protection
- Better match to the true risks of an insurance company
- Consistency across financial institutions
- Principle-based but without undue complexity
- Assessment of an insurer's overall solvency situation
- Two-level approach to capital requirements
 - Solvency Capital Requirement (SCR)
 - Minimum Capital Requirement (MCR)
- Harmonise quantitative and qualitative supervisory methods

Solvency II The three pillars

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Pillar I Quantitative requirements

- Minimum capital requirement
- Solvency capital requirement
- Standard approach
- Internal model
- Risk dependencies
- Risk mitigation
- Technical provisions

Pillar II Qualitative requirements

Corporate governance

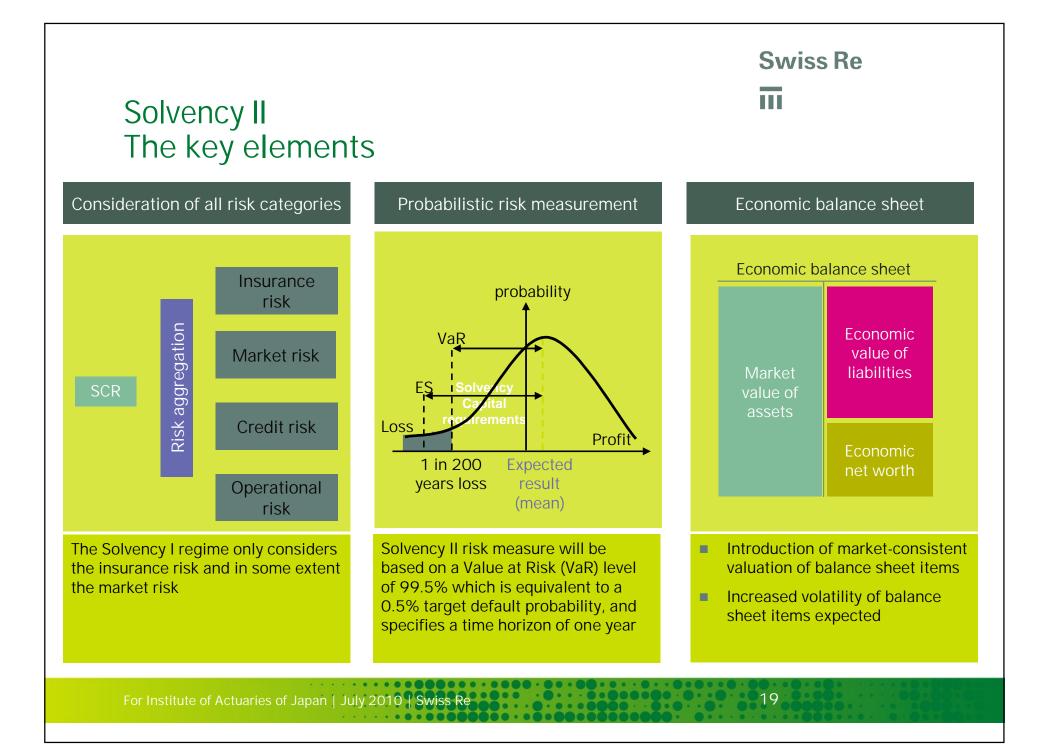
- Internal control processes
- Risk management function
- Asset & liability management

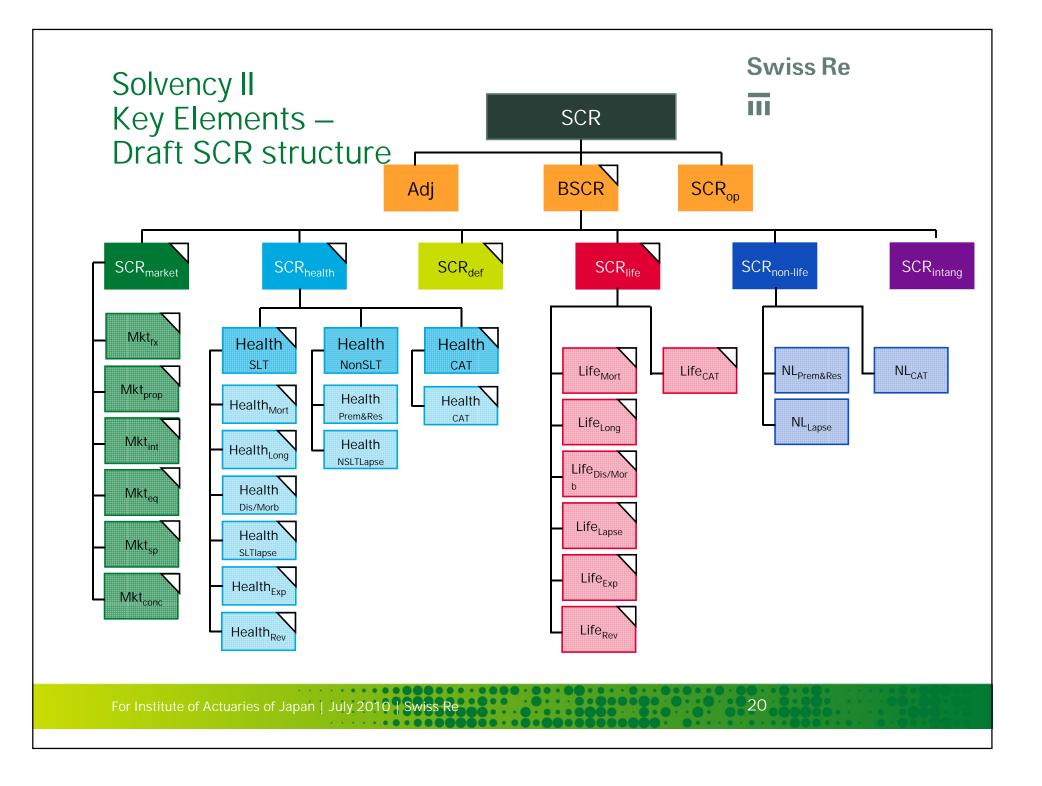
- Supervisory review process
- Supervisory powers
- Safety measures
- Solvency control levels

Pillar III Market discipline

- Supervisory disclosure
- Public disclosure

18





21

Solvency II Technical considerations

- 1:200 year capital coverage
- One year time horizon
- Diversification
- Future profits as fully admissible Tier 1 capital?
- Annuity business/liquidity premium
- Standard model -vs- internal
- Capital solutions

22

Conclusion

- Capital is important: there are many reasons why a company manages its capital
- Which type of capital and when: their relative importance drives companies' decisions
- Global crisis further emphasised the importance of capital
- Europe is moving to a more realistic view of capital with clear interaction with risk management: Asia and other regions are expected to do similarly in due course



Thank you

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24

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