

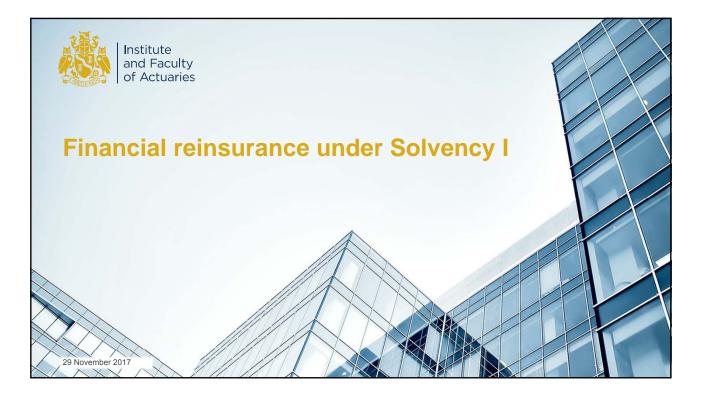
What is the future of financial reinsurance under Solvency II?

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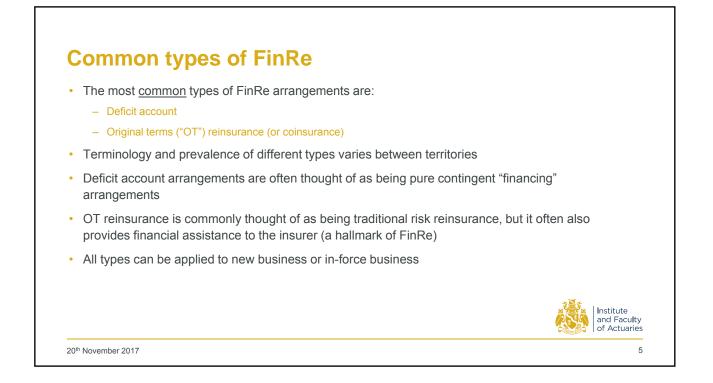


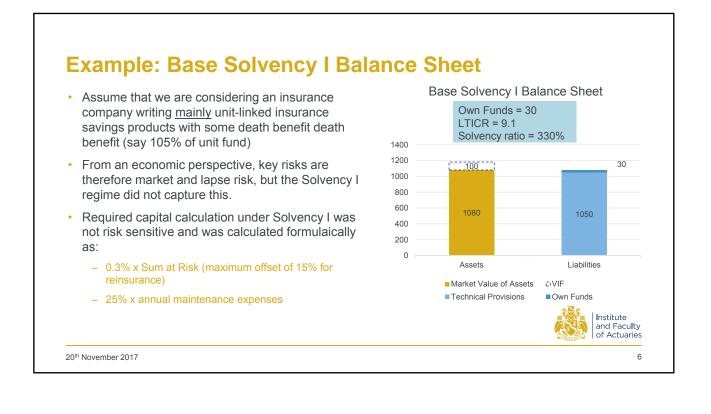
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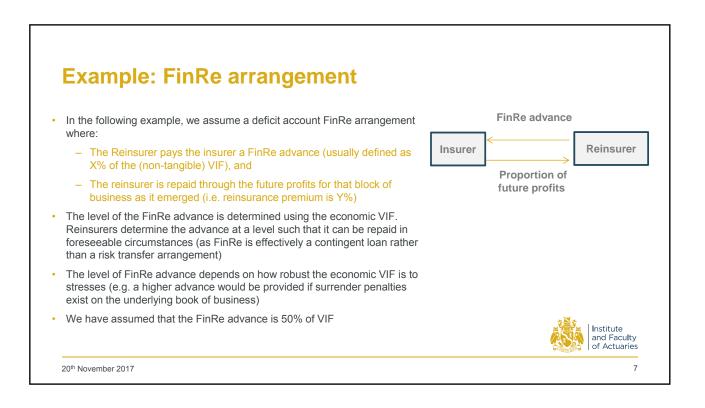


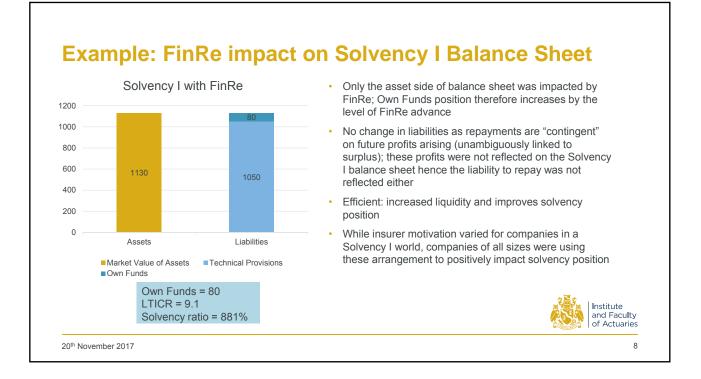


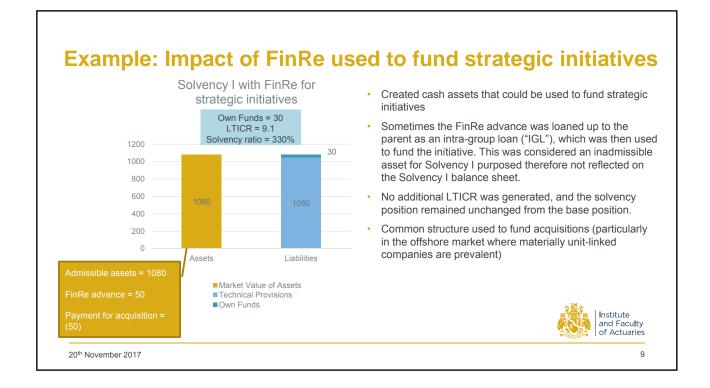




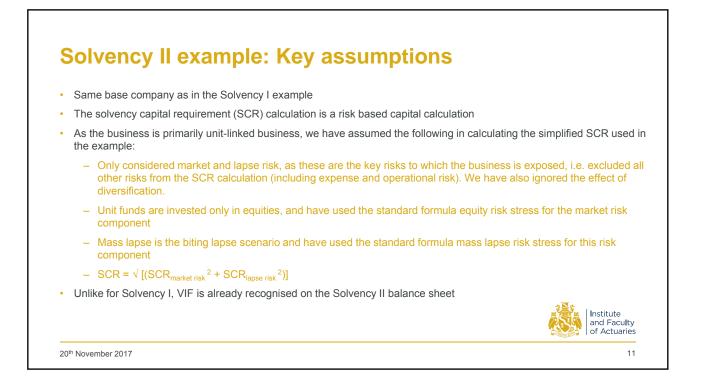


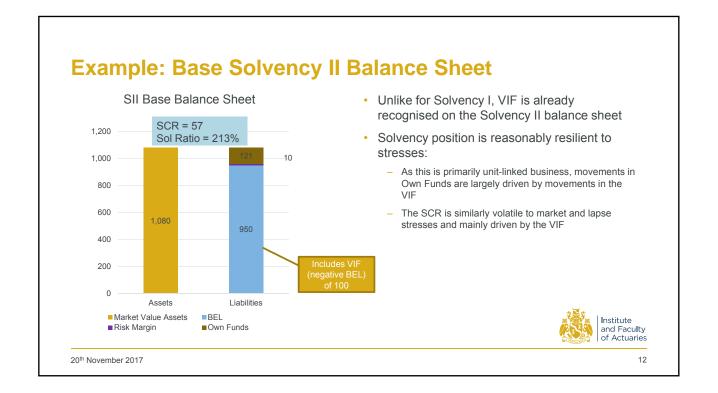




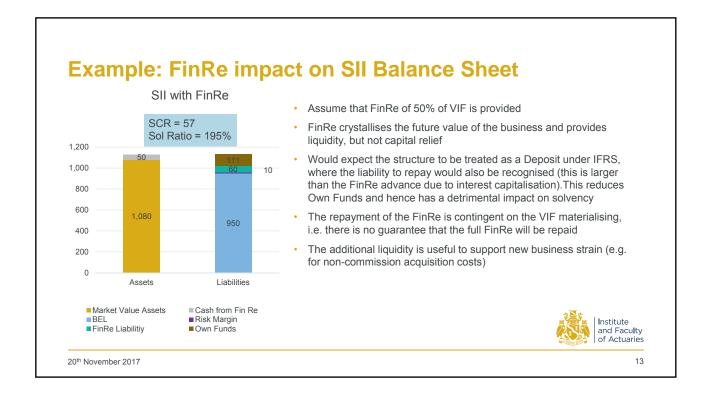








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Why could FinRe still be attractive under Solvency II?

Contract boundaries: Broadly speaking the contract boundary is the point at which the insurer can unilaterally terminate the contract, refuse a premium or amend the benefit or premium without limit. Beyond this point the premiums do not form part of the existing contract and are not considered in the technical provisions.

Accessing the value of future profits within contract boundaries:

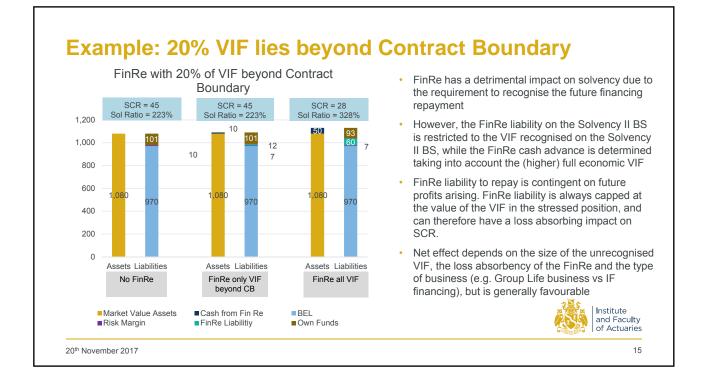
- · FinRe still provides an efficient way of increasing liquidity and can be loss absorbing
- Financing new business strain: Can be effectively structured to match new business strain financing very closely when compared to other ways of raising debt
- Financing strategic initiatives: the VIF of the in-force book can be monetised with the cash financing advance used to fund the acquisition of that business

Accessing the value of future profits beyond contract boundaries:

- Contract boundaries: Cashflows beyond the contract boundary are not recognised on the balance sheet, and reinsurance is consistent with the underlying business. Liability to repay dependent on cashflows beyond the contract boundary is potentially not recognised.
- FinRe allows insurers to recognise additional value on the balance sheet and can improve the solvency gosition



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Example: Impact of FinRe used to fund strategic initiatives FinRe for strategic initiatives IGL is recognised as an asset for insurance company and therefore needs to be valued in line with SII rules SCR = 58 SCR = 31 Valuation of IGL is expected to be consistent Sol Ratio = 104% Sol Ratio = 138% 1,200 with Article 75 (market value), therefore scope for valuation uncertainty. 50 1,000 50 10 SCR will therefore increase as capital is . 800 required to be held against the IGL (assumed 600 25% of the value of the IGL). 1.080 970 950 In reality there will be financing costs earned 400 on the IGL, but we have ignored this in this 200 example. 0 Significantly depleted solvency ratio! There are Liabilities Liabilities Assets other structuring possibilities but these are not (no VIF beyond CB) (20% VIF beyond CB) addressed in this presentation. Market Value Assets ■IGL BFI Risk Margin Payment for Acquisition BEL FinRe Liabilitiy Own Funds Institute and Faculty of Actuaries 20th November 2017 16



Where else could FinRe be applied on the Solvency II balance sheet?

One can consider other areas where there is believed to be prudence in the Solvency II balance sheet that could be 'financed', areas include:

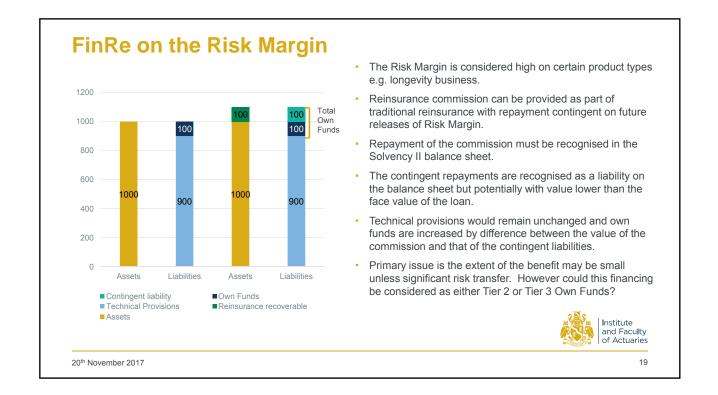
- Risk Margin
- Discount rate:
 - Prudence in risk free return used to calculate best estimate liability
 - Prudence in the fundamental spread

However, the lack of an "unambiguously linked to surplus" clause in Solvency II has caused challenges to firms where it means some contingent value is recognised:

- Under Solvency I it was allowable to disregard liability payments that arose only where experience
 was better than the valuation assumption, this often allowed a zero liability to be recognised
- · Under Solvency II this approach disappears and firms need to value on a probability weighted basis



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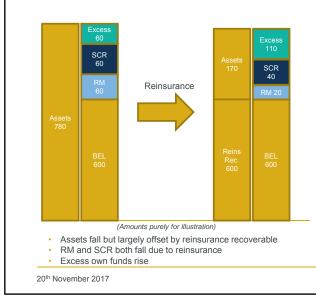


Alternative approaches to FinRe on Risk Margin Risk margin financing has proven difficult and hence firms have focused on real risk transfer which also removes risk margin. Longevity business has been a particular area of activity:

- Longevity swaps used to transfer longevity risk at market price, removing much larger risk margin from the balance sheet
- However challenge if firms believed that risk margin will move towards market prices, led to investigation of other structures
- Concern from PRA over extent of use of reinsurance, led to need to notify in advance and see requirement via matching adjustment rules in recent consultation paper



Alternative approaches to FinRe on discount rate



Quota share reinsurance with reinsurance commission based on the return achieved in each year, either inside or outside of the matching adjustment portfolio:

- Where insurer and reinsurer believe that assumption of risk free return is overly prudent then scope for reinsurance to reinsure on a quota share basis paying something close to technical provisions as premium
- Cedant benefits from reduction in SCR as risks on underlying replaced by counterparty risk. Also receives reinsurance commission over time as prudence in investment return unwinds and has cover in event of extremely adverse experience.
- Reinsurer takes on risk at premium it believes is excessive, and passes back element of experience via commission to cedant, less a fee for risk transfer and financing
- Generally works best where reinsurer able to reserve on a different basis, so reinsurers outside of Solvency II may be in best position to offer





