

What firms anticipated was difficult?



Evolving standards and expectations

- Regulations were still moving
- · 'Bar' is being raised

People involved

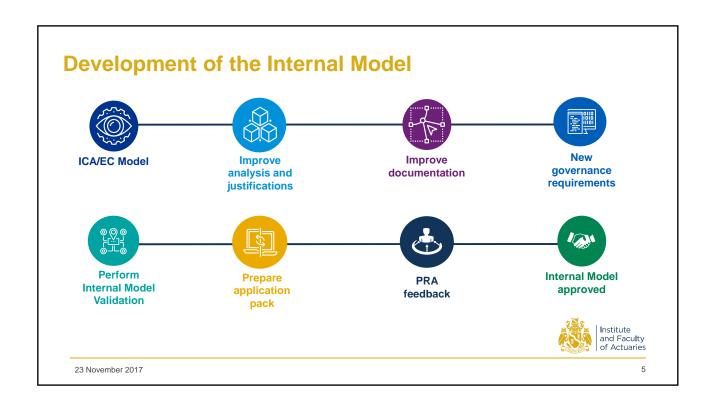
- · Not just an actuarial project
- · Impacted large parts of the business

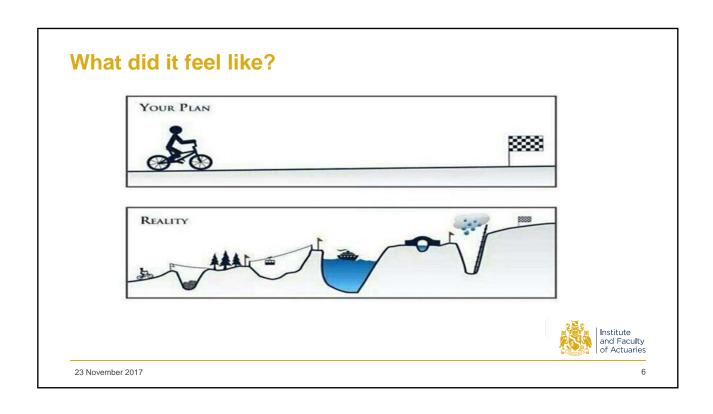
Still have a business to run

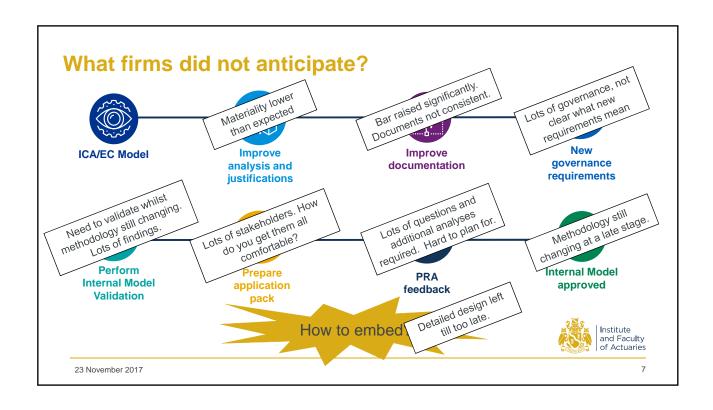
- Dependencies on key staff
- · Other business initiatives



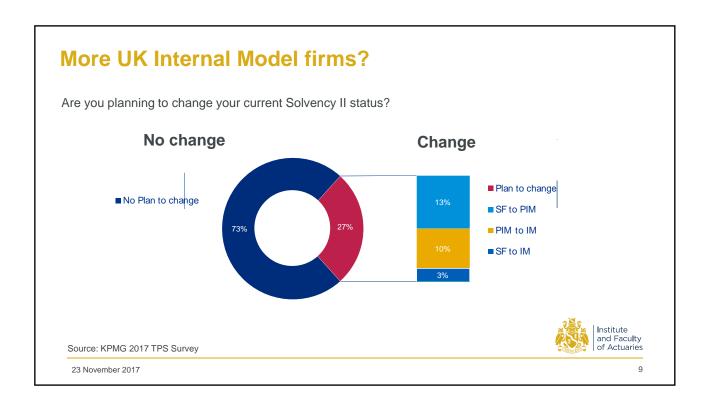
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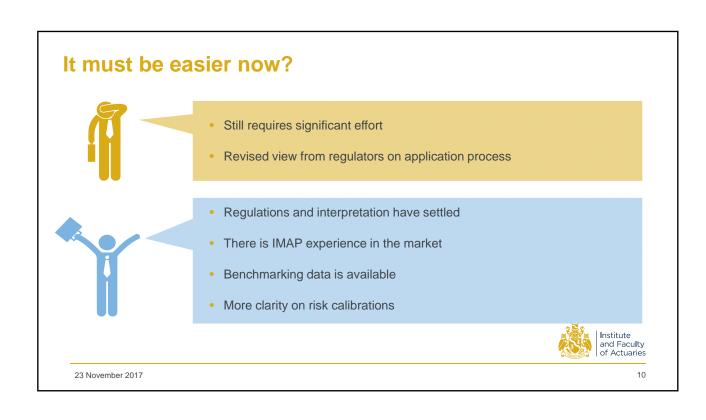


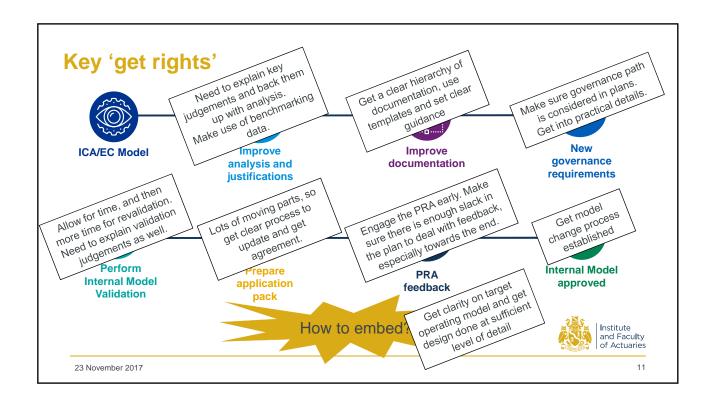


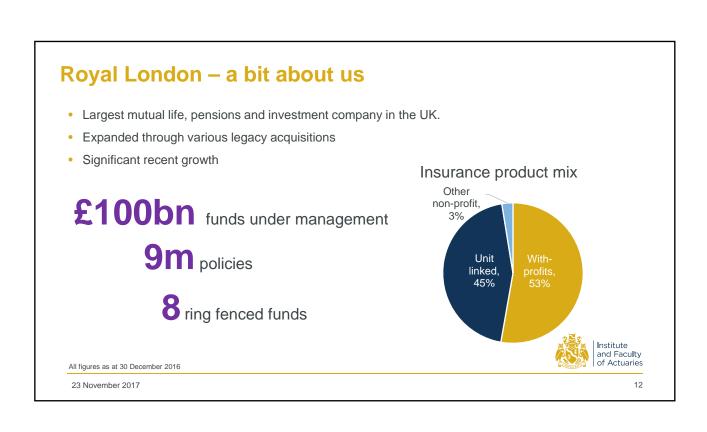












Royal London – why are we doing this?

Better risk management

Alignment of regulatory capital vs. internal capital

Opportunity to upgrade processes and systems

Capital benefit

Regulatory pressure

Market perceptions

Significant investment

Significant implementation effort

Increased ongoing governance effort

- No obvious capital benefit BUT.....
- Right thing to do as certain risks not in Standard Formula
- Outlier in the market given size and scale if remained on Standard Formula
- Aligns regulatory and internal view of capital



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Royal London – what we set out to do differently



Systems

- Integrated cashflow and capital models
- Not legacy model plus capital model "over the top"

People

- Used our best people and recruited experience from the market
- Engaging with the industry as well as through our delivery partners
- · Look to learn from peers who had gained approval

Planning

- Engaged PRA early, be transparent with plans, risks and challenges
- · Contingencies in planning to allow for 'unknown unknowns'



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Royal London – our Internal Model approach



Scope of Internal Model

Internal model approach for all risks and all funds



Systems

- MG Alfa not Prophet or Risk Agility
- Cloud technology



Methodology

- Simulation approach
- Proxy modelling using LSMC and ESG rebasing, fully automated
- Management actions modelled outside cashflow models



Implementation approach

- · Phased implementation by fund
- Starting from most complex and material funds first
- Engagement plan agreed with regulator



23 November 2017 15

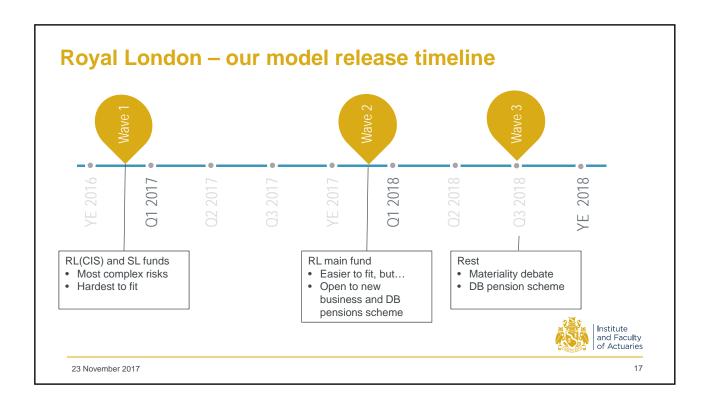
Royal London - our application timeline



• All whilst implementing a GAR compromise and other strategic changes at the same time



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Royal London - prioritising the completion of CAP/SAT

Challenge

- · Not all documents will be ready by pre-application
- Validators have identified a number of findings on available documentation
- We know we can't all remediation done by pre-application
 - To do so would effectively mean we are ready for a full application!!

Approach

- "Triage" needed to determine which actions are material and which we can "tell the story" regarding their status
- Assessment based on the likely impact on CAP/SAT completion to drive prioritisation of action remediation
 - But care needed some "very minor" remediation actions can impact across multiple compliance assessments (i.e. 1 finding can move many assessments from 'compliant' to 'partially compliant' or 'non-compliant')
- · Address findings that have the biggest impact



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Royal London - dependencies on other projects

Challenge

- A number of major projects could significantly impact the Internal Model methodology and results
- Some of these projects could be implemented close to the formal application date
- There is insufficient time to update all the methodology documents, results and re-validate them inflight

Approach

- Develop addendums to the CAP/SAT for pre-application
- The underlying documents will be unchanged but the addendum will set out the impact of the projects on IMAP – along with financial quantification
- All documents will be updated by formal application



23 November 2017 20



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23 November 2017 21