

#### Four areas of focus

- 1. Eight qualities
- 2. Value and model use
- 3. Business planning
- 4. Your team

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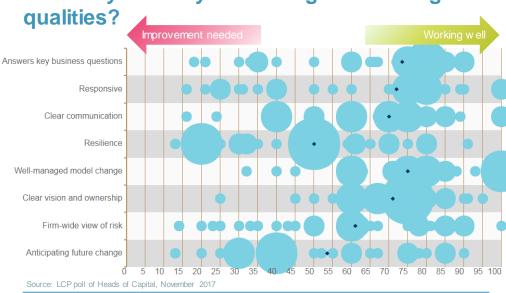
# 1. Eight qualities 17 January 2018

## Eight qualities of effective capital modelling



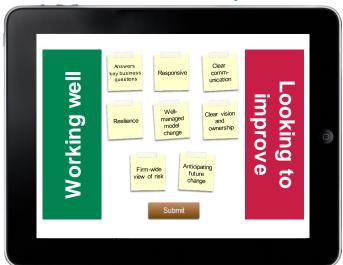
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How do you rate your firm against the eight



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#### **Board or committee workshop**



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# **Board or committee workshop**



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## 2. Value and model use

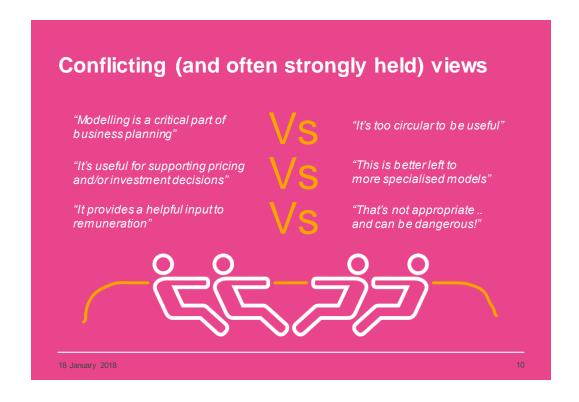
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#### Model uses (in addition to capital setting)



Source: LCP market review - capital modelling 2017 - "How are insurers getting most value from their capital modelling?"

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#### Virtuous engagement cycle

"There was a little bit of interest ... then lots of interest ... then there was a steady pull on the model by the business as they realised the model CAN do something and they wanted it"



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#### **Business understanding of model limitations**

Confirmation bias

Link to model uses

Results used out of context

"The business understands it's "just a model", but this is mentioned most when the model disagrees with preconceptions"

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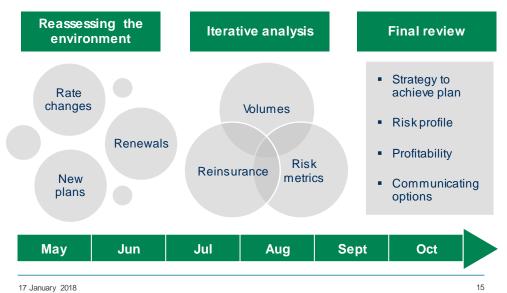


# What are the most challenging aspects of supporting business planning?



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## A framework for business planning



## Helping everyone stay on track

				Risk Measures				
	Reported	Premium £m	Profit £m	Capital £m	1 in 10 loss £m	Probability of loss (%)	Top Cat Scenarios £m	Model run
Risk appetite				750	50	20%	310	
Baseline results	Board 22 May	987	55	690	25	18.0%	253	v17.3
Updated PPO risk parameters	Risk committee 26 May	-	+2	+25	+5	+1.2%	+23	v17.3.1
Increased motor volumes	UW committee 27 May	+30	+5	+5	-2	-0.8%	-	v17.3.2
Latest results	Rerun 28 May	1017	62	720	28	18.4%	276	v17.4
Risk headroom				30	22	1.6%	34	
Option 1 - Reduce reinsurance		+101	+5	+25	+5	-0.3%	+20	v17.4.0.1
Option 2 - New product launch		+50	+4	+5	+8	+1.0%	+30	v17.4.0.2
Option 3 - Both		+151	+9	+26	+11	+0.8%	+50	v17.4.0.3

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# Tailoring it for your business

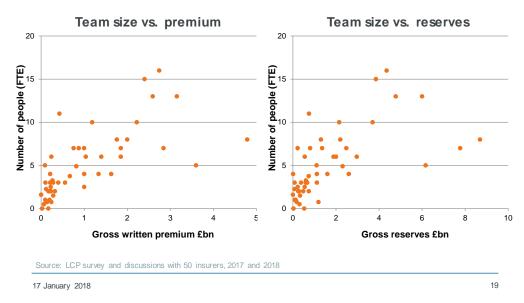


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# 4. Your team

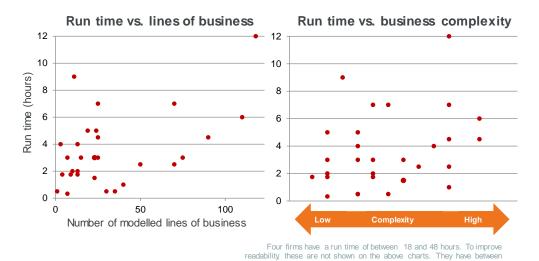
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## Capital modelling team sizes



#### **Model run times**

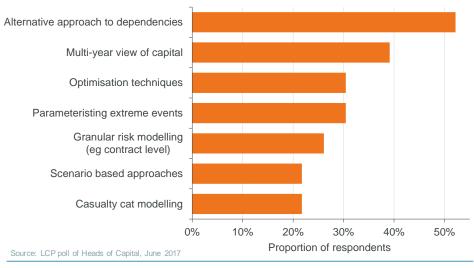
Source: LCP survey of 35 insurers, 2016/17



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3 and 200 lines of business and a range of business complexities.

# What aspect of capital modelling would you research if you had a university team?



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#### Where next?

- 1. Eight qualities
- 2. Value and model use
- 3. Business planning
- 4. Your team

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#### More views from the market

"Yes the model adds value. However, once the catastrophe and reinsurance calculations have been done, there is a lot of regulatory baggage"

"Common
structures provide a
framework, like
knowing where to
look in a
newspaper for the
crossword and
editorial"

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# **Questions**

# Comments

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