

Regulatory requirement to risk reporting: Experiences of a capital actuary

GIRO40 October 2013

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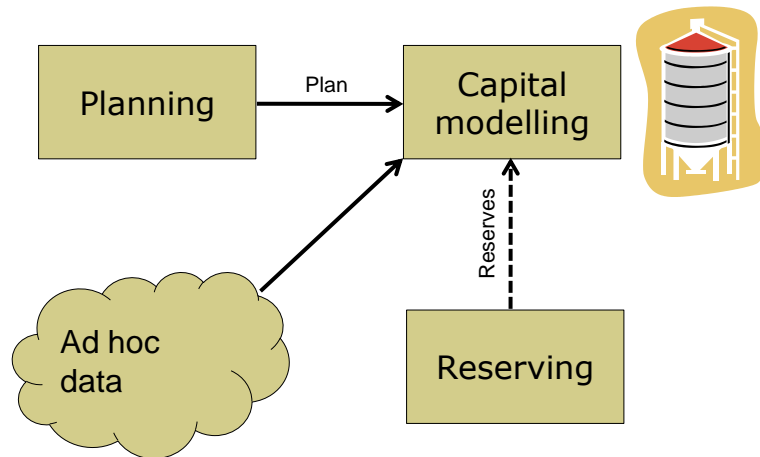
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Agenda

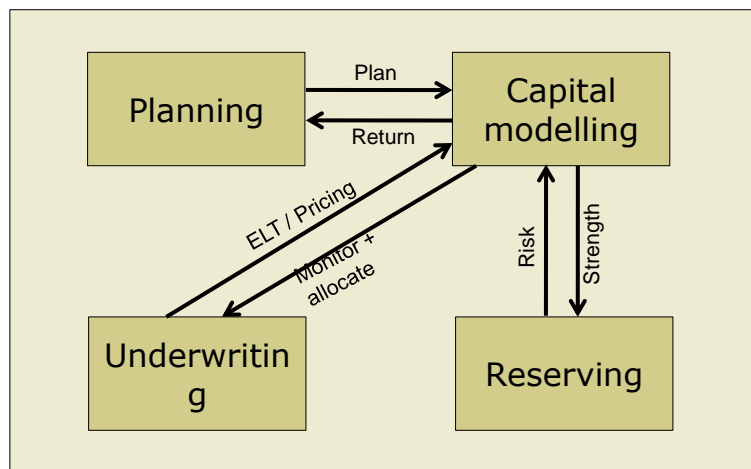
- Regulatory requirement to risk reporting
- Historical developments
- Challenges and approach
 - Buy in / use
 - Entities / granularity
 - Governance

Regulatory requirement driven initial model



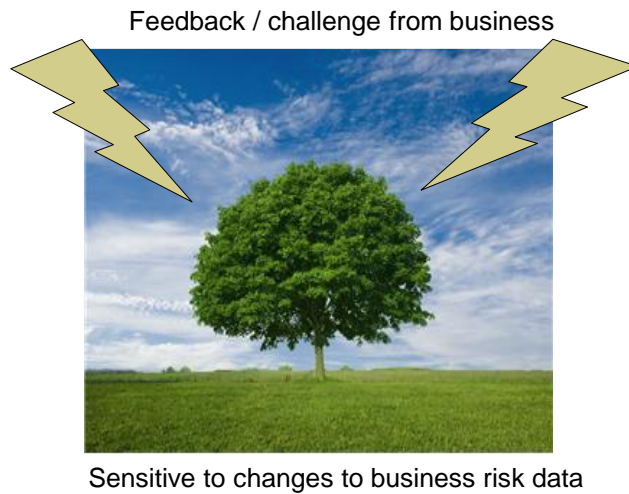
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Risk reporting – information pipes and feedback



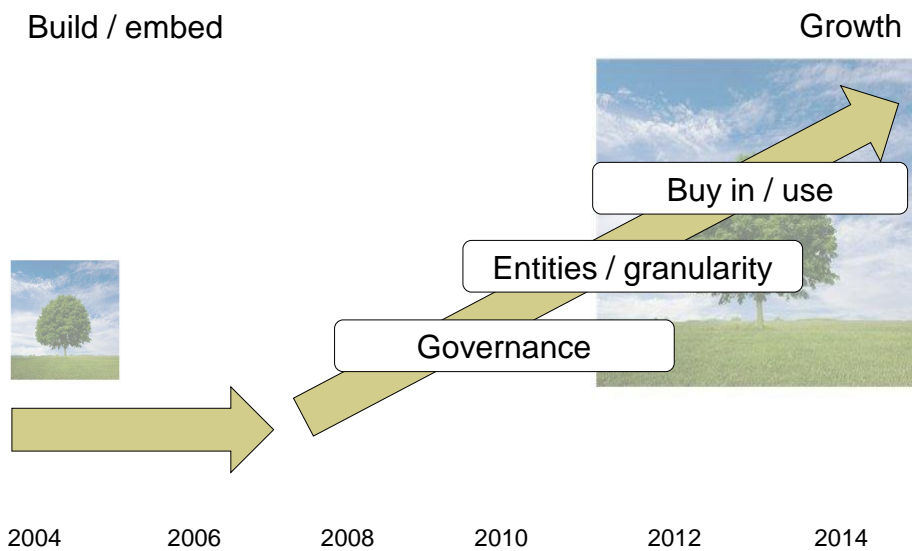
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Keeping it live; up to date and relevant



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Historical developments



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Challenges and approach

Buy in / use

- Drivers of risk:
 - *Insurance market cycle, link between risk and capital*

Entities / granularity

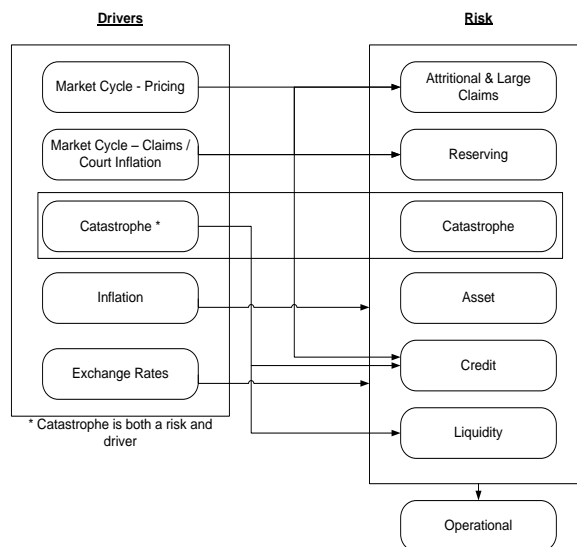
- Single model for all entities
- Modular structure
- Reference model, scenarios and sensitivity

Governance

- Board knowledge requirements:
 - *Define responsibilities*
 - *Define frequency of meeting*

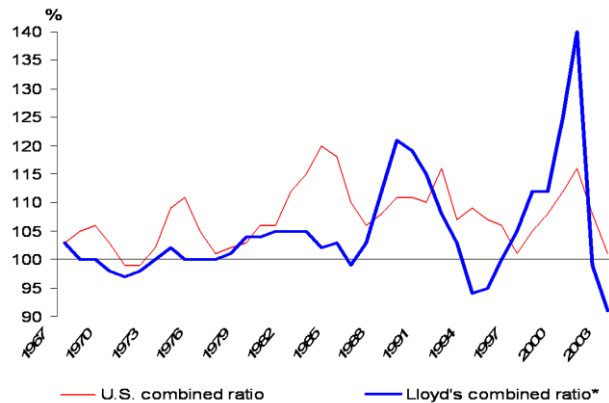
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Buy in / use: Drivers of risk



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Buy in / use: Drivers of risk



- Correlation between premiums and reserve
- Correlation between classes
- Correlation between insurance risk and major reinsurer default

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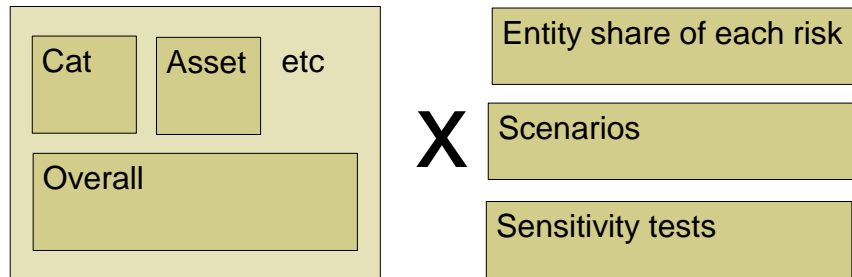
Buy in / use: Drivers of risk – Class specific factors

- Linking detailed factors impacting risk to capital

Class	Client sophistication, business complexity...
Control	Alignment of underwriter incentives, level of delegation...
Pricing	Competitive position, knowledge of true price, growth...
Reinsurance	Availability, completeness...
Claims	Tail length, inflation risk, uncertainty of case estimate...

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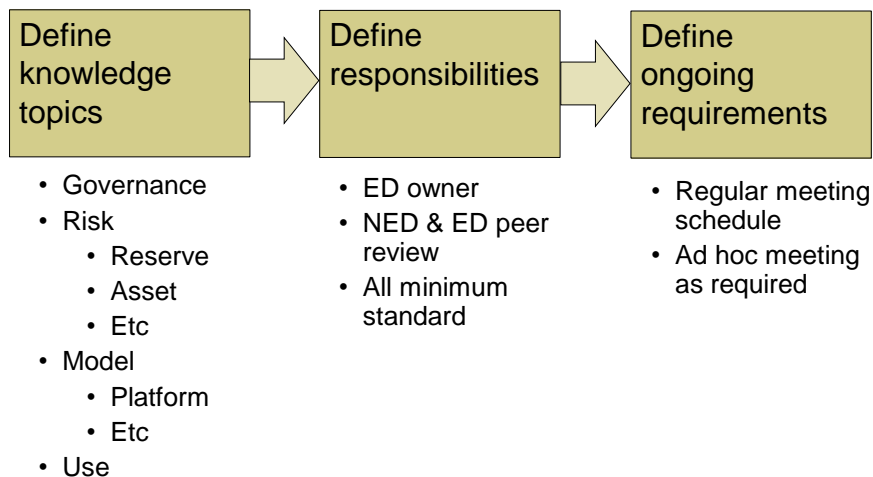
Entities / granularity: Modelling approach



- Single model for all exposure
- Modular structure
 - Governance
 - Use
- Base model with functionality exclude and scale all risks

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Governance: Board knowledge requirements



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Summary

- Integration with business processes
 - Input and feedback; Keeping it live
- Challenges and approach
 - Buy in / use → Drivers of risk and the market cycle
 - Entities / granularity → Single modular model
 - Governance → Clear process and responsibilities