

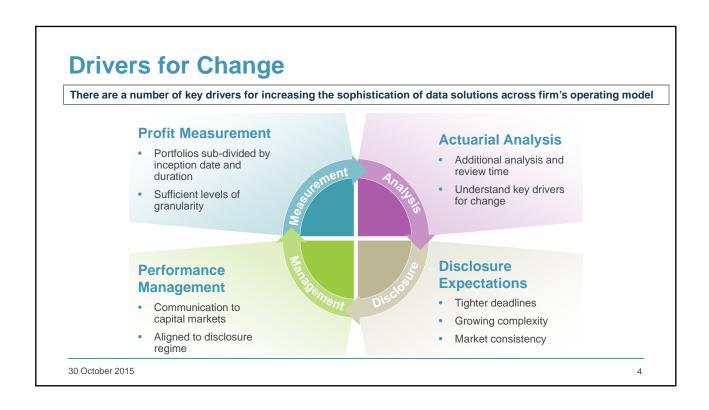
Agenda

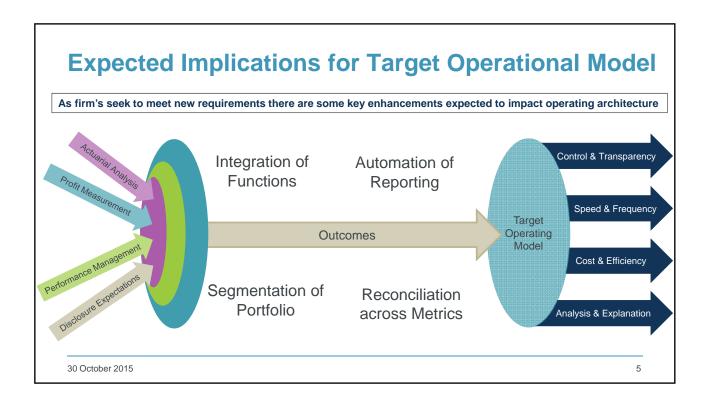
- Data Requirements for Disclosure
- Data Requirements for Actuarial Analysis
- Case Studies

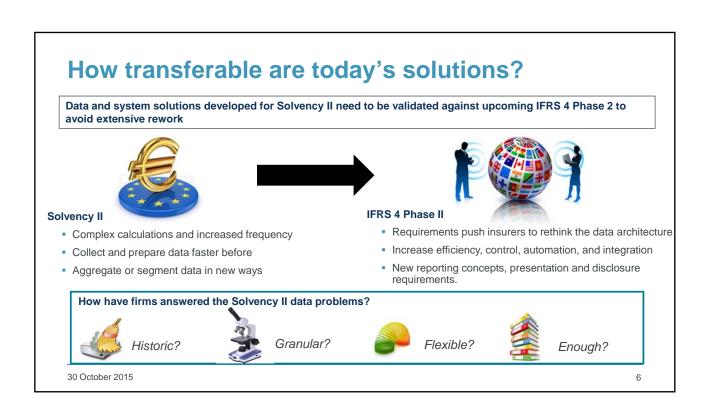


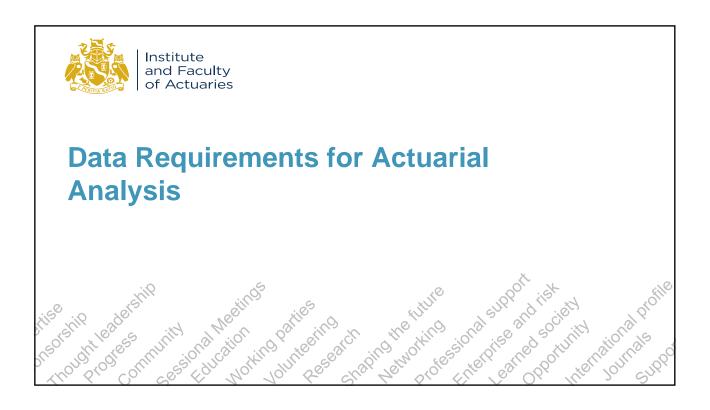
Data Requirements for Disclosure

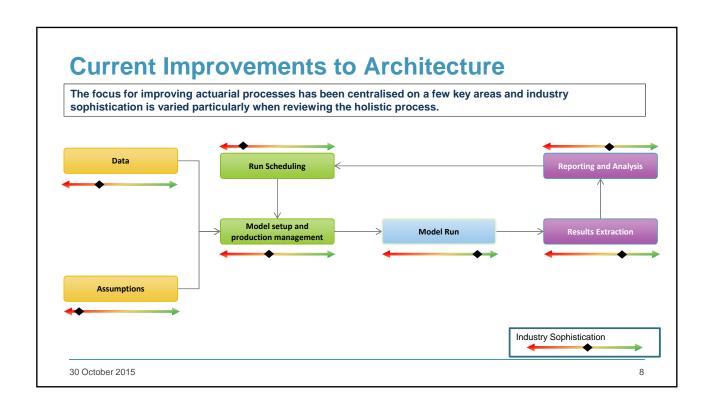
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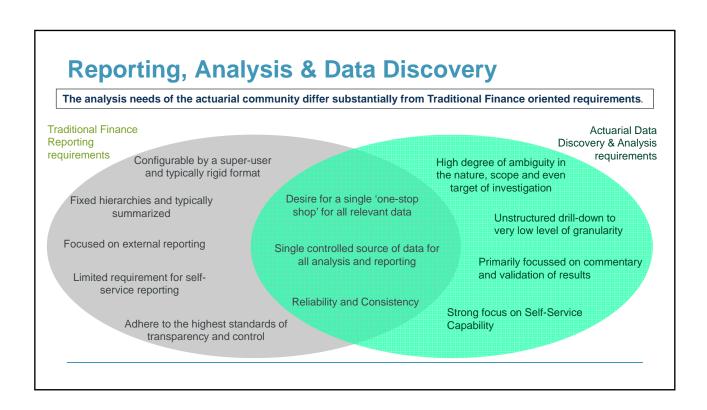




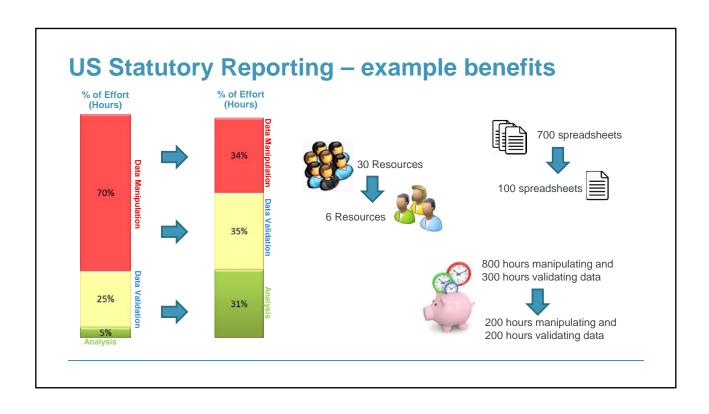




Functional requirements The requirements for tools which support actuarial analysis are driven by a number of factors Support Intuitive Data Discovery ... about what needs to be analysed Unconstrained Segmentation/drill-down **Ambiguity** ... about the nature and scope of the Low level of granularity of underlying data Self Service Capability Collaboration Analysis needs to be easily shared Easy to use collaboration tools Single controlled source of data Reliability, consistency and accuracy Control of the analysis Audit controls and reproducibility of analysis



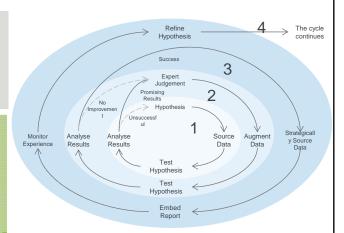




Analysis of Change

The Analysis of Change is an example of actuarial analysis where modern reporting tools can support significantly enhanced investigations

- Important piece of management information, audit control and relation with reported results
- Aim is to provide narrative around movements across reporting periods.
- Investigation of unexplained has a large amount of ambiguity in true target of investigation
- Automated production provides more time for analysis
- Modern reporting tools allow for unconstrained investigation, unlimited drill-down and rapid segmentation
- Hypothesis driven approach refines requirements from subject matter experts and business users
- Standardisation across group can be implemented



Experience Analytics

Data architecture solutions can also improve actuarial experience investigations by providing consistency across the business and allowing the analysis to be fast, data-driven and value-adding.

Current challenges and pain-points

- Actuarial resources investing time in sourcing, scrubbing and aggregation of data
- Inconsistent data sources and treatment to valuation
- Multiple sources of data used in analysis may not be entirely consistent with each other and cumbersome to manage
- Requires manual intervention
- Monitoring done with varying frequency and sophistication across products / divisions
- Data pre-aggregated as calculators often can't handle volume of raw data, limiting options for later analysis

Market leading approach

- With the right architecture and holistic view of the business, consistency can be achieved across previously siloed business units
- Experience monitoring can be produced immediately and is able to support tight valuation deadlines
- Investigation can be data driven, rather than forcing actuaries to make decisions up-front due to the need to pre-aggregate
- Consistent approach to investigations in frequency, scope and sophistication
- Manual intervention reduced improving control and speeding up process

Questions

Comments

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30 October 2015 15