

Agenda

- Issues facing DC schemes
- •The role for stochastic planning tools (SPT)
- A template for a stochastic planning tool
- Example for the DC market
- Other considerations

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DC Schemes: The Players & their considerations

- Sponsors
- Trustees
- Members
- Product Providers/ Admin Platforms
- Advisers

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The Issues

- Defined Benefit to Defined Contribution
 Underfunded
 - Investment Risk passed on to members
- Review
 - Is investment on-track?
 - Do we need to modify strategy?
- Need for Advice

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Advice: Problems with Conventional Model

- Not enough money in DC world
 To support advice
- Investment advice is too difficult
 - And there is too much choice
 - More choice ≠ more investment!
- Can't scale investment advice consistently
 So marginal costs are high
- Everyone is 'balanced'
 - But really cautious!

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Advice Needs for DC Market

- "Shrink-wrapped" investment process
 - To accommodate scaling and consistency of advice
- Effective and efficient delivery media
 - Web-based
 - Allows individuals to self assess
 - Automates review
- Batch processing
 - Identifies 'problem' cases
 - Automatic or real time review process
- Execution?

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Individuals & Investment Risk: **Current Situation**

- Fixed rate illustrations
 - 5%/7%/9%
 - Doesn't account for risk
- Common risk warnings What does cautious mean?
- Low consumer knowledge
- Result
 - Low trust
 - Unrealistic expectations
 - Poor decisions

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Stochastic Modelling: Goals oriented planning

- Probability based answers
- Given my current strategy......
 - Investments/savings
- ...What is the chance of meeting my pension goal Annuity/lump sum, Real/nominal/escalating
 - Single life/joint life
- How risky is my current strategy
- How do these answers differ if I change... My goals & expectations

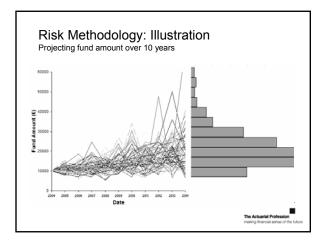
 - My savingsMy investments

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The Stochastic Model

- Economic Scenario Generators
 - Simulate economic/financial/demographic outcomes
 - Consistency
 - Calibration
- A Brief History
- UK Regulatory Background
 - Insurance (cornerstone of regulatory capital)
 - Illustration for individuals
 - restrictions

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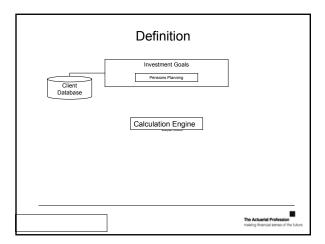


The Pension Advice Process

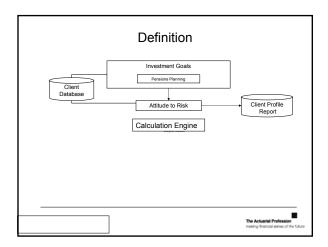
- 1. Needs Analysis what pension when?
- 2. Resource determination what can I afford?
- 3. Risk Profiling
- Asset Allocation strategy
 Reality check on 1 vs 2 vs 3
- 5. Fund selection
- 6. Playback
- 7. Review process

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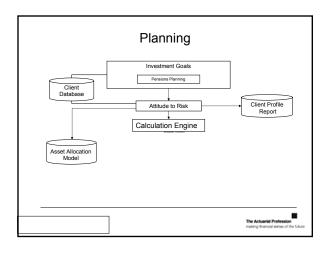
On	line Financial Planning Process Overview	
	Calculation Engine	
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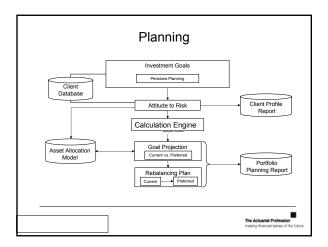




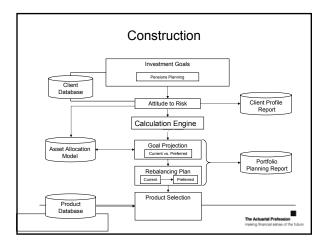




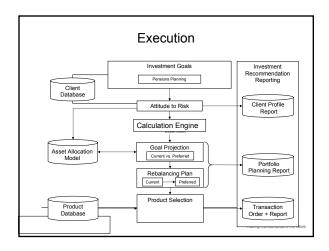




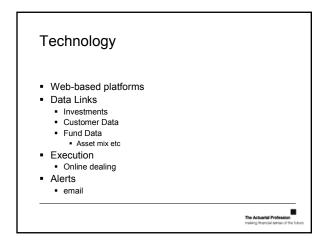


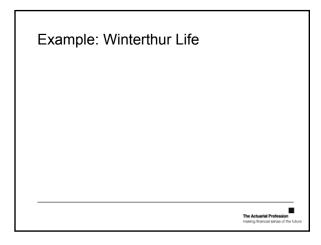


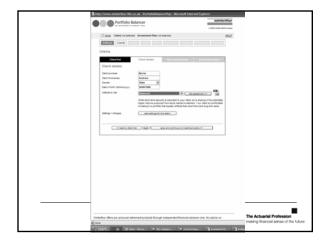












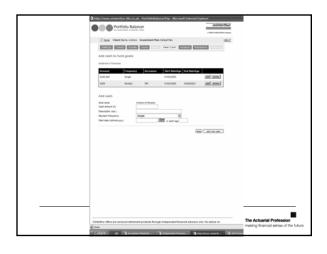








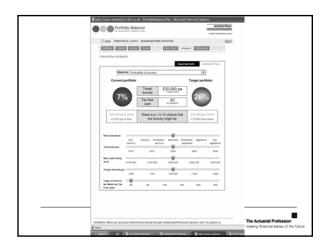












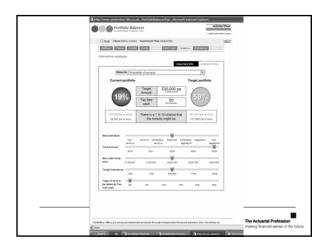




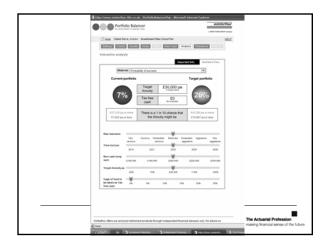








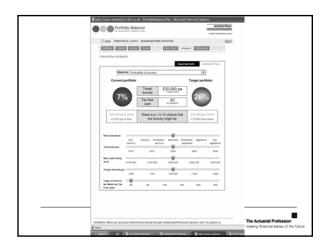




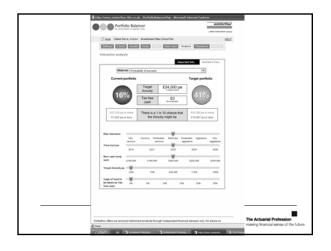












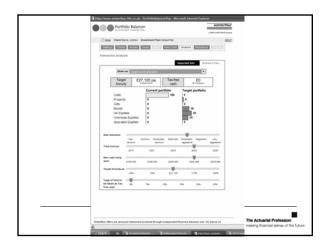




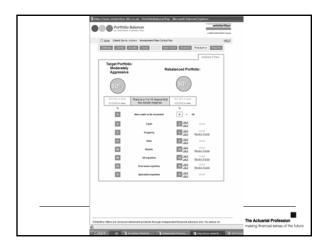








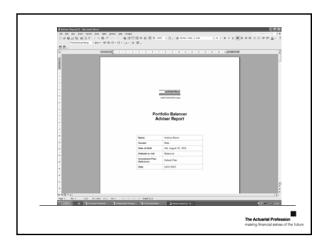




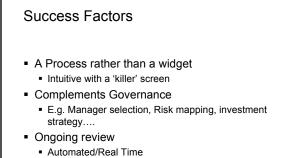












Criteria

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Summary

- SPTs already form important part of advice in individual savings and pensions
 - Technology, regulation and models already there
- Migration to DC market happening slowly
 Lack of incentive
- Will happen though, because...
 - Creates business opportunity
 - Advice needs to be addressed

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