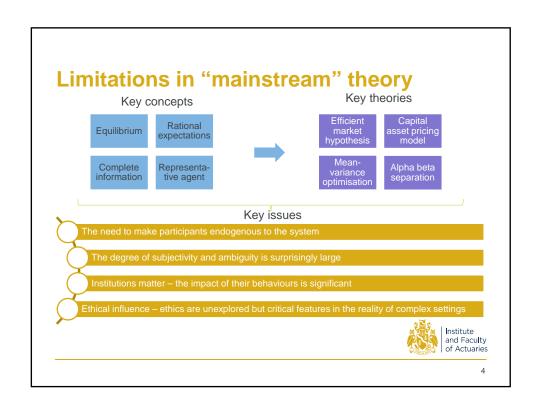
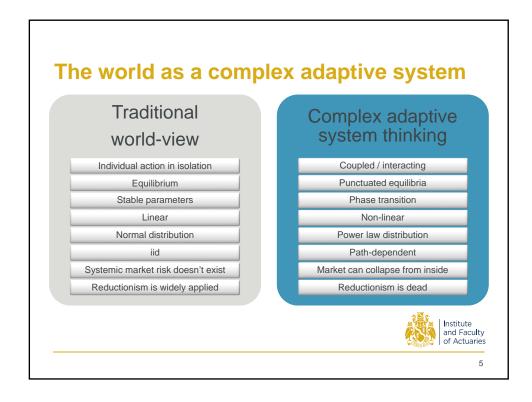
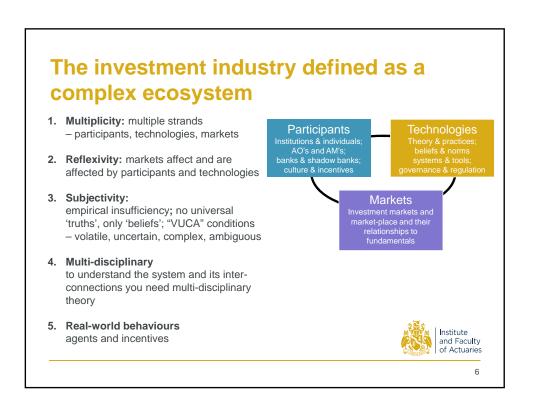


# Investment theory There are significant limits to mainstream investment theory and how it is used in mainstream investment practice Investment practice Investment decision-making relies on accepted and established practice ('folklore') which is essentially backward-looking Stronger organising principles - Stronger governance practice captured in mission clarity, values and beliefs, strategy; complexity framework sustainability - Portfolio construction, incorporating factors and buckets; portfolio quality Institute and Faculty of Actuaries









# Market volatility under alternative theories

Under mainstream theory	Under complexity theory
No variation in beliefs – everyone has complete information and understanding and makes rational decisions	Significant variation in beliefs arises because of uncertainty about future conditions
No pricing-model uncertainty	Considerable pricing-model uncertainty
One way flow: fundamentals affect price and value of financial markets	Financial markets can affect the fundamental values they are supposed to reflect
Probability distribution of financial outcomes is known and stable with no uncertainty	Probability distribution is uncertain
Use of Gaussian or modified normal statistical distributions with fixed parameters	Allow for shifting parameters and fat tails in distributions, having regard to Extreme Value Theory and power laws
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# Stronger practice throughout the investment process

Strategic principles

Governance enablers

Governance design

Leadership Talent & reward

Business model & value chain

Investment framework and policy

Portfolio construction

Risk/ Return/

Liquidity framework

Strategy Manager model

Process & monitoring

The CIO has a critical role to play in both asset managers and asset owners in:

- leading the process of forming, maintaining, socialising and evolving beliefs
- defining the framework
- holding the organisation's investment team to account in their respective portfolios



## Stronger investment beliefs

 In the absence of reliable investment theory, there should be stronger application of values and beliefs in the investment process



Investment beliefs are high level principles and conjectures that guide the organisation to content and decisions



Beliefs to become larger part of investment process



Competitive investors have beliefs that are smart and edgy and deeply socialised



Asset managers need to strengthen their organisation-wide beliefs relative to product-specific beliefs



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## Stronger framework

# Value creation

- Via passive and active management
- Strong beliefs in both content and context
- Disciplined implementation

Risk

- Multiple facets impairment to mission
- Fundamental building block to return
- Unique to each investor

#### Longhorizon investing

- Return framed more by ongoing income than end price
- Asset managers can exploit via several key return drivers

# Sustainable investing

- Efficient, inclusive long-term investing
- Asset owners: use for long-term investing efficiency and responsibility
- Asset managers: use for long-term investing; for client mandate; and for own values



## Stronger portfolio construction

Portfolio classification is guided by <u>risk allocation</u> ahead of capital allocation and <u>factors</u><sup>1</sup> <u>and buckets</u><sup>2</sup> ahead of asset classes Portfolio selection is guided by portfolio quality assessed through a range of desired attributes

- Adherence to intended total risk and effective diversification
- Good risk/return trade-off net returns allowing for risks
- Liquidity and flexibility
- Edge and resources, scalability, simplicity, cost
- Sustainability
- 1. Equites, duration, credit, insurance, systematic etc
- 2. Bulk beta, illiquid beta, smart beta, alpha, etc



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# **Coping strategies in a complex financial** market

#### Extreme clarity and alignment of mission, enablers, policies

### Self-understanding

- Assessing organisational capability by breadth and depth
- Ability to adjust internal capability

#### Metaunderstanding

- Understanding what others are doing and why
- Using this to understand and exploit comparative advantage

### Change-adaptable

- Preparedness and ability to change mission, strategy and culture
- Requires leadership
- Requires process

### Strong-cultured

- Culture as a binding force aligning behaviours
- Culture has edge
- Culture as incremental leaning

Build investment intelligence - capabilities, beliefs, processes





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