

# Climate change-related disclosures:



### Russ Bowdrey FIA Aviva

13 August 2020



### WESTMORLAND.

O that we now had here But one ten thousand of those men in England that do no work to-day!

KING: (paraphrased slightly)

"Nah, bro! We'll be fine 🕲

We're the people with the right tools. And this is about survival.

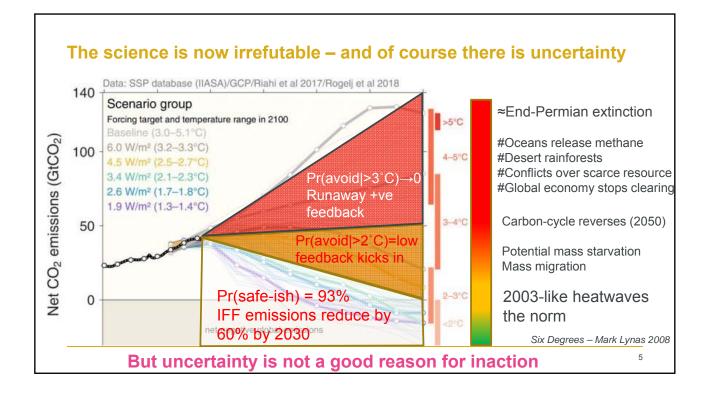
It is our DUTY to try

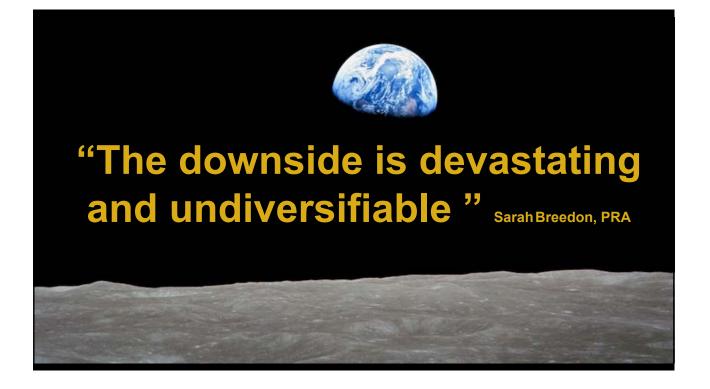
If we fail, **then at least we did try, and Not just for us...**and if we succeed then How few we are didn't matter...

We lucky few...We band of brothers..." Inspired by Henry V, Act 4.3



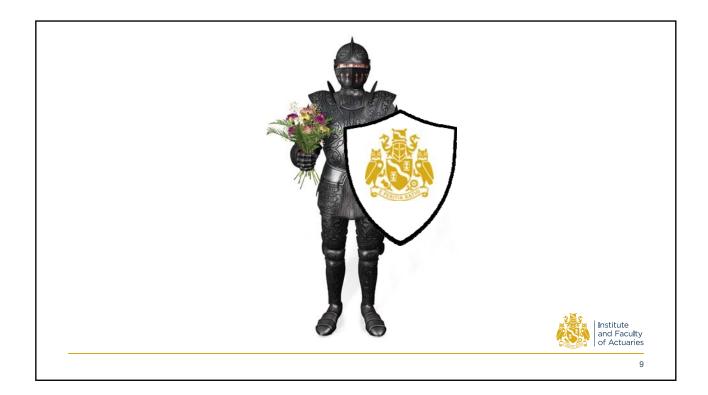






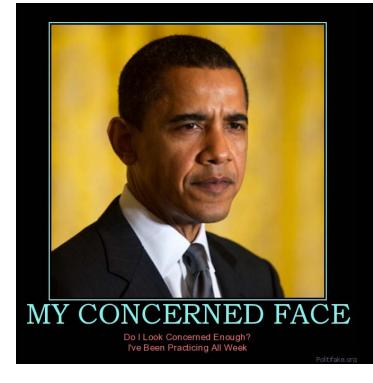




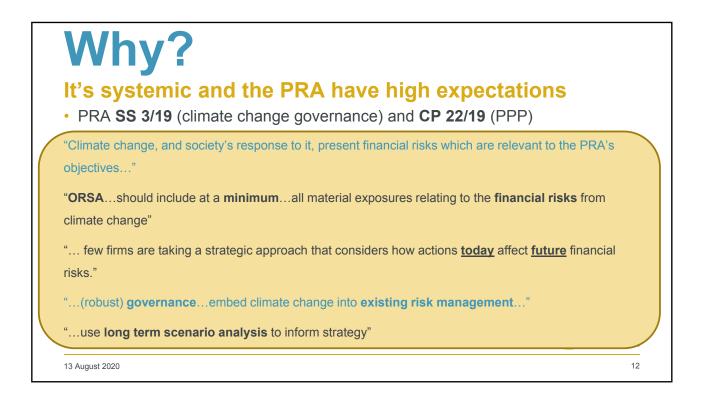


"Once climate change becomes a defining issue for financial stability, it may already be too late." Mark Carney, Tragedy of Horizons, 2015

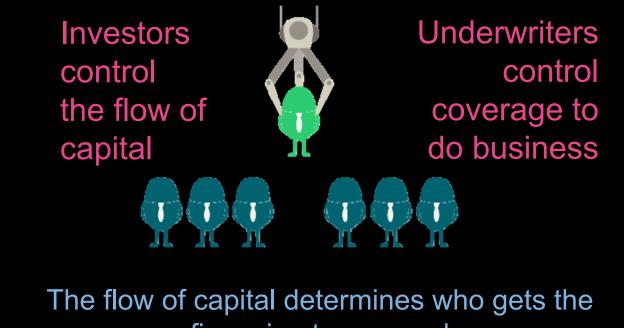




The regulator is deeply concerned (See PRA SS 3/19) But arguably lacks the mandate/instruments to affect a change by force/coercion



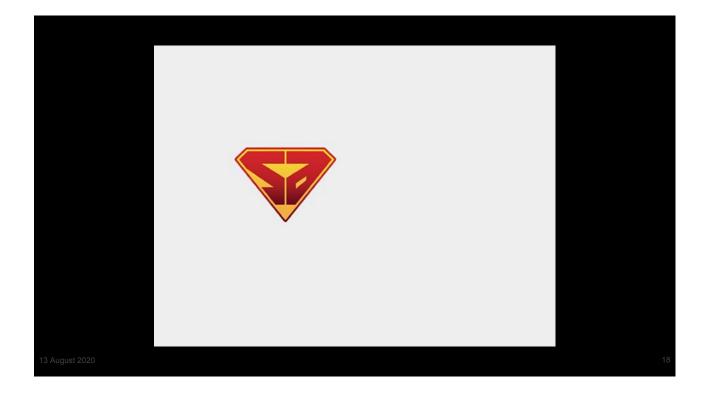












# TCFD | Financial Stability Board spin out

"Increasing transparency makes markets more efficient, and economies more stable and resilient."

Michael R. Bloomberg, Chair TCFD



Taskforce Co-chairs Mark Carney Mike Bloomberg +

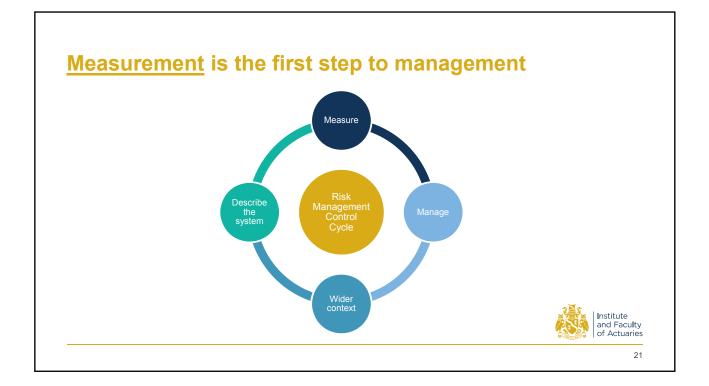
Cross-sector: Data users (including Aviva!) + Data preparers + Scientists

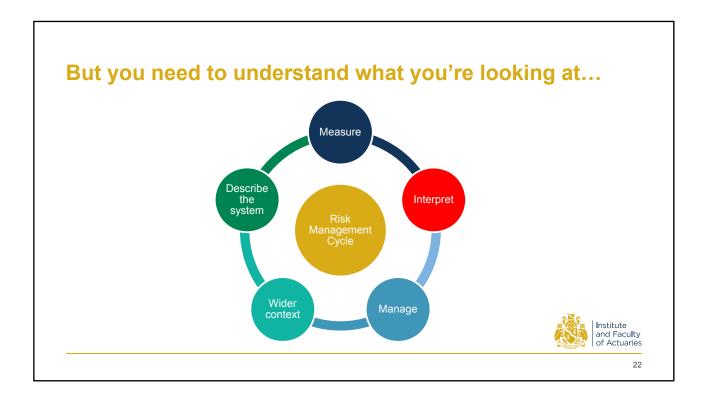
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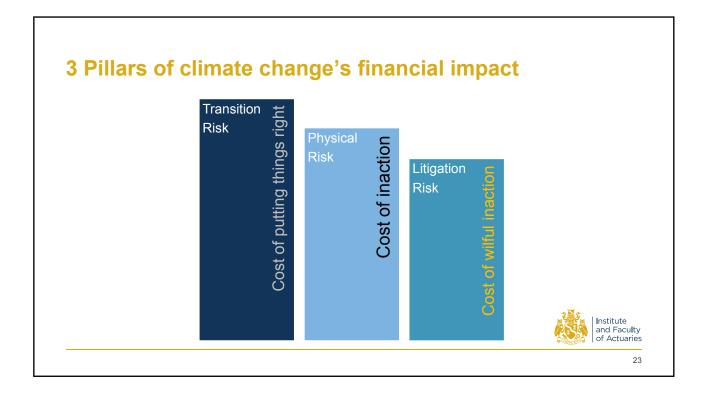
Not only are we long-term investors with <u>a</u>
 <u>responsibility to act</u>
 <u>sustainably</u>, we are also there to <u>protect our</u>
 <u>customers</u> against the adverse impacts of climate change itself."

Maurice Tulloch, CEO, Aviva



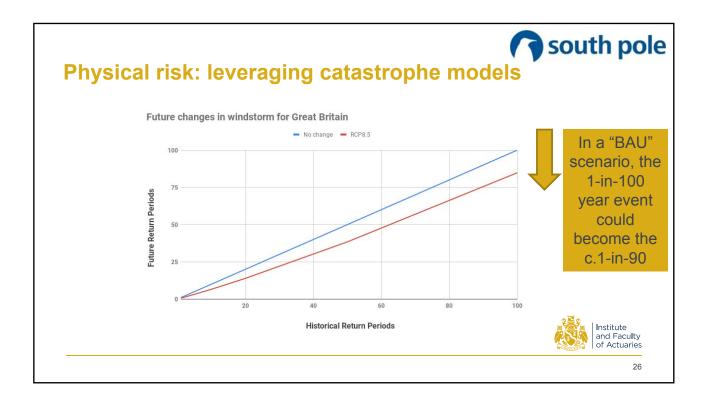


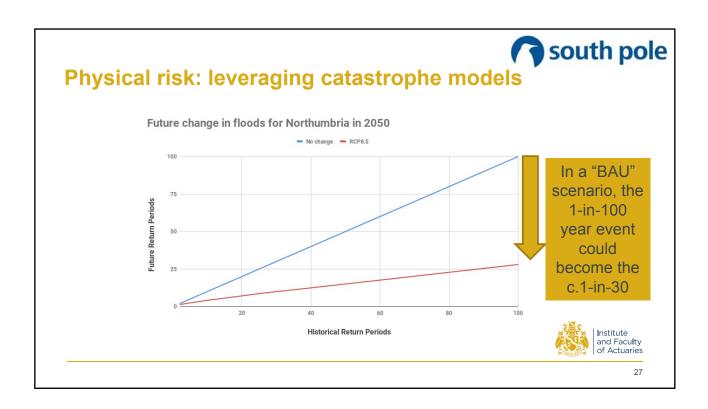




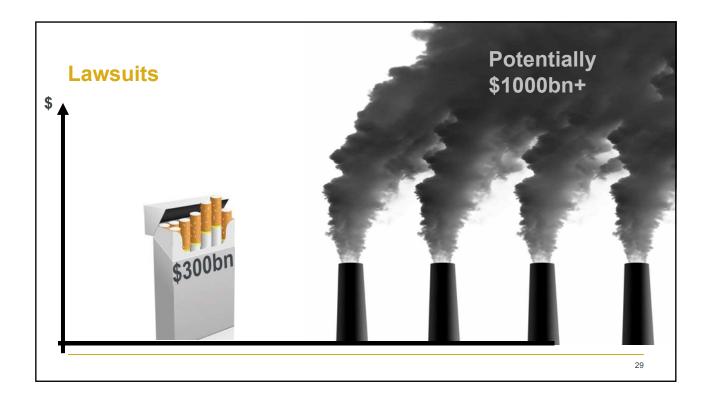


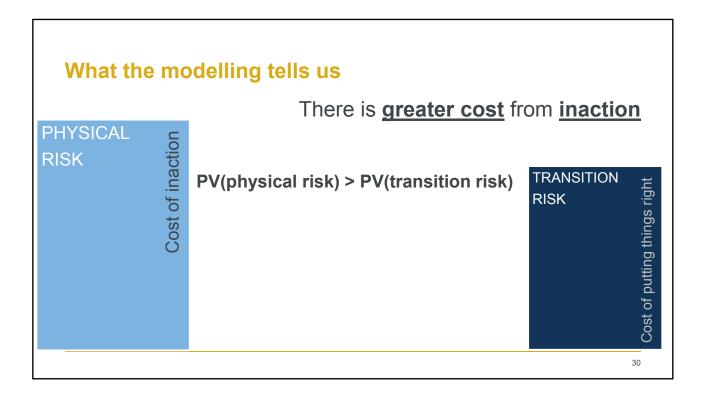


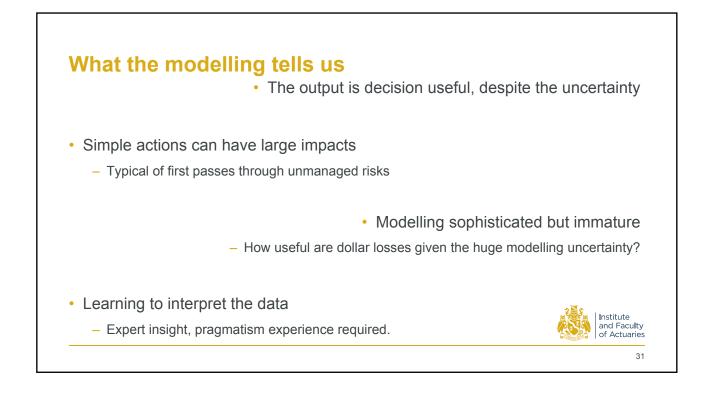


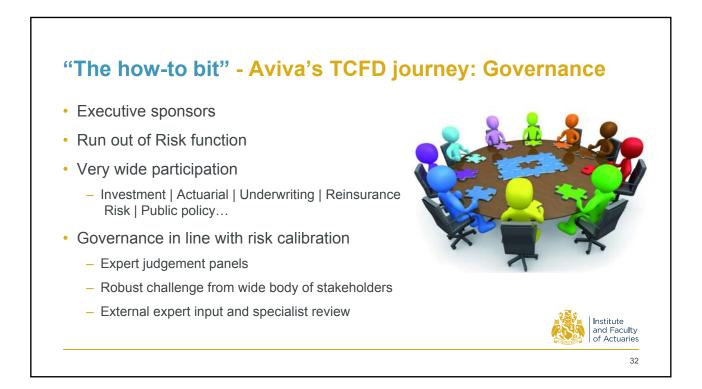


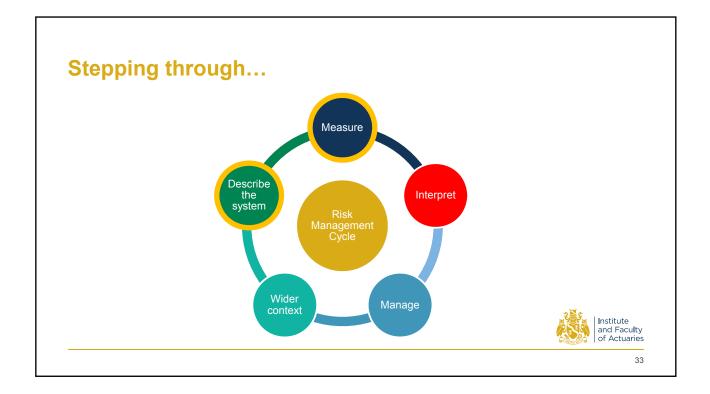


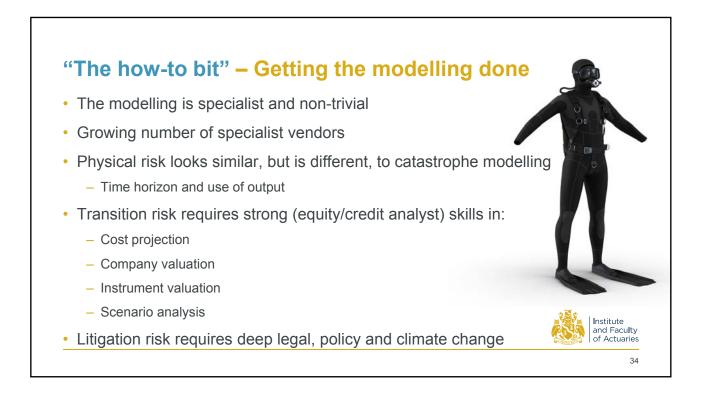




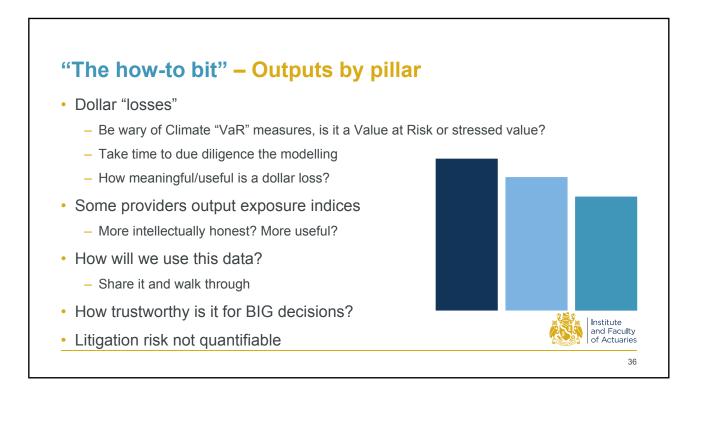


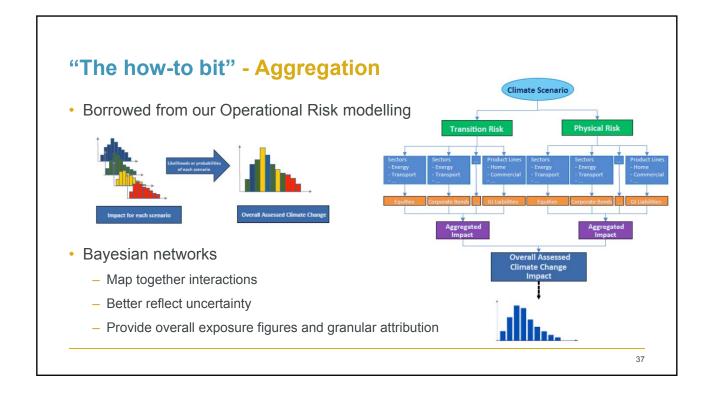


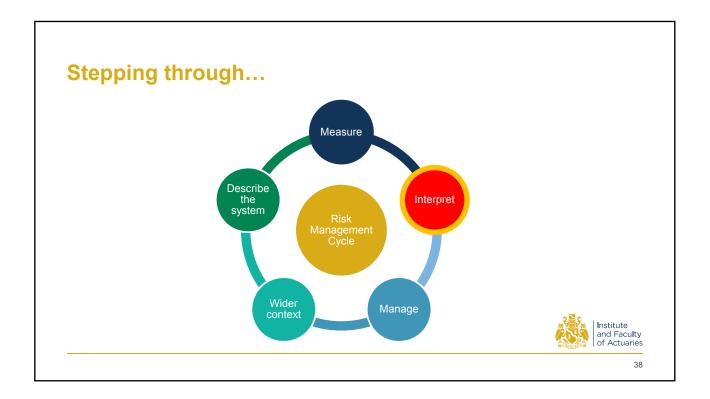


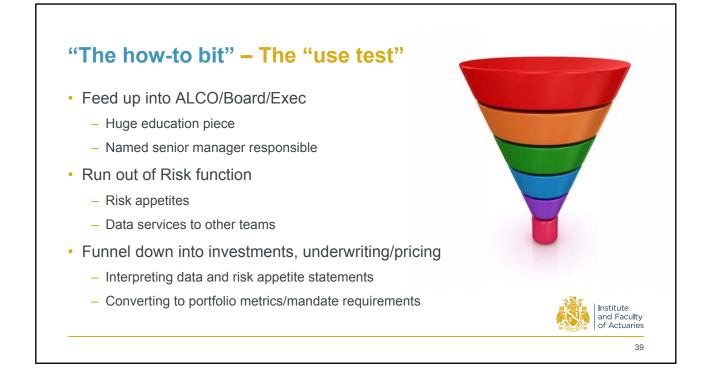


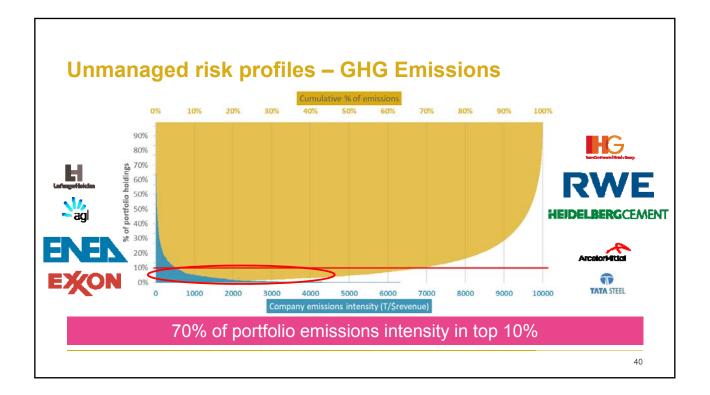
# "The how-to bit" – Data is crucial Listed securities are relatively easy Unlisted less so Real estate-linked Location and building type needed for physical Transition risk data is a challenge, so proxies needed Sovereigns is a puzzle Large portfolio exposures Opaque and complex exposure to climate change Based our analysis on ND-GAIN, but room for improvement

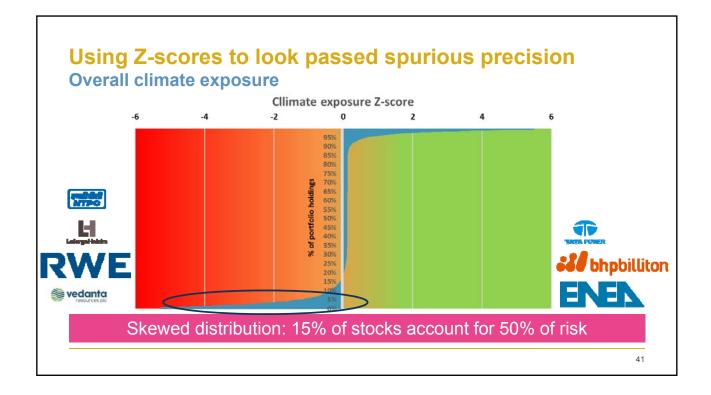


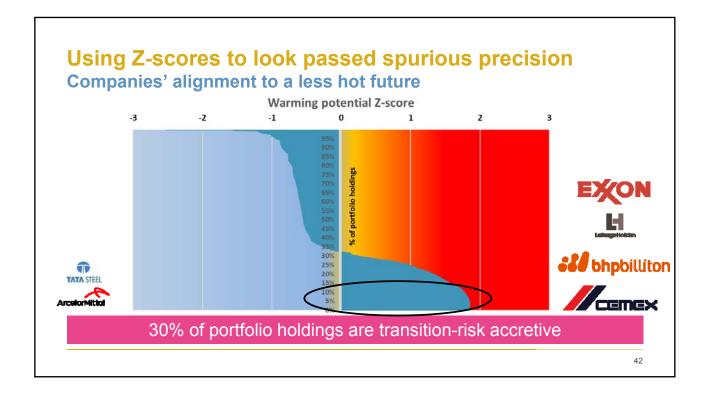


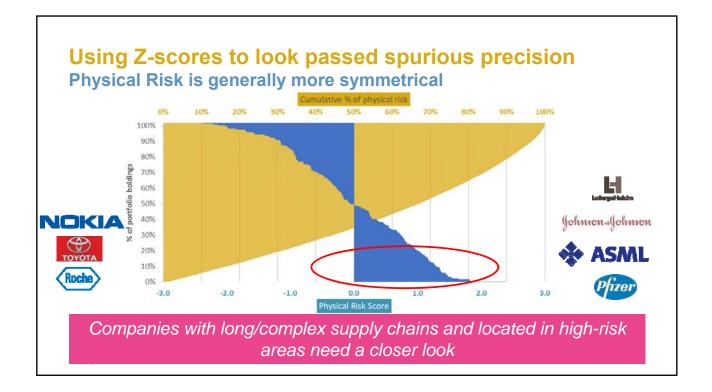












### So what do I do with "immature modelling output"?! It's all RELATIVE • Hot spotting

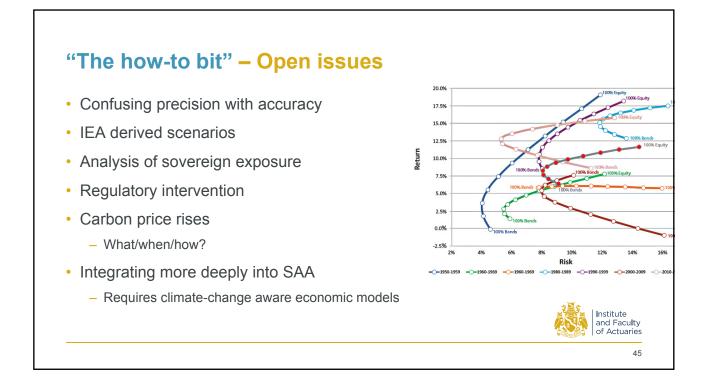
- Identify names/sectors for deep dive by Risk/Asset managers
- Needs a close and expert look
  - Many assumptions embedded in climate change models

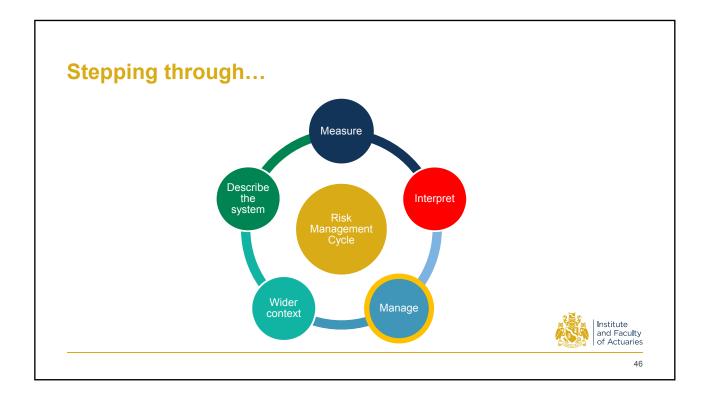


- Challenge your asset manager to up their game
  - Redesign mandates

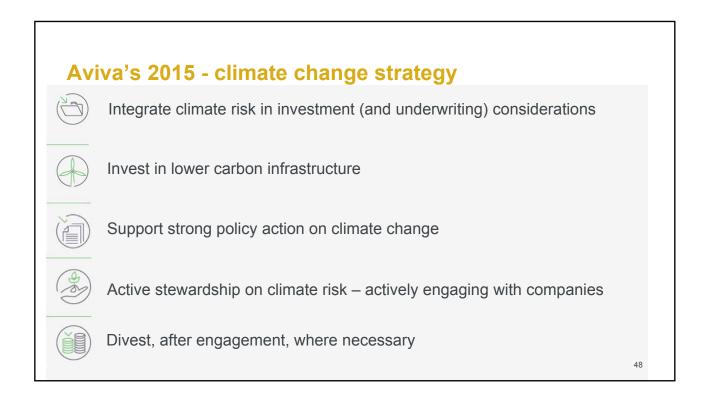


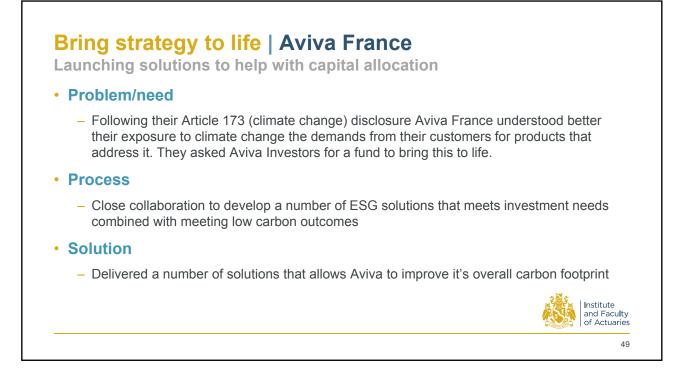
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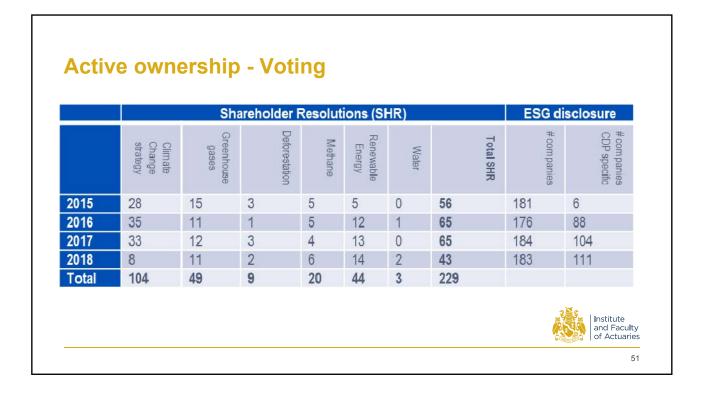


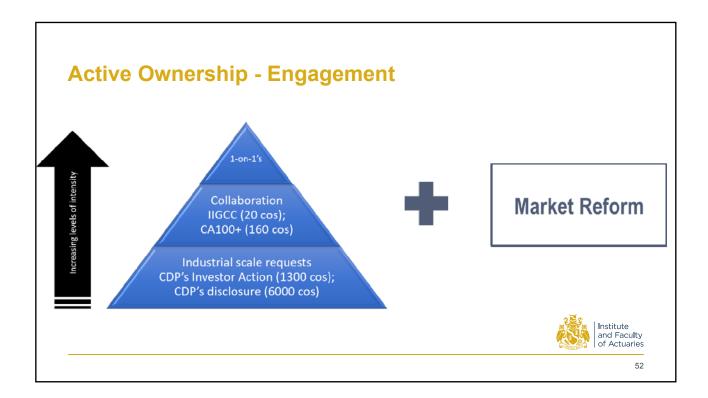






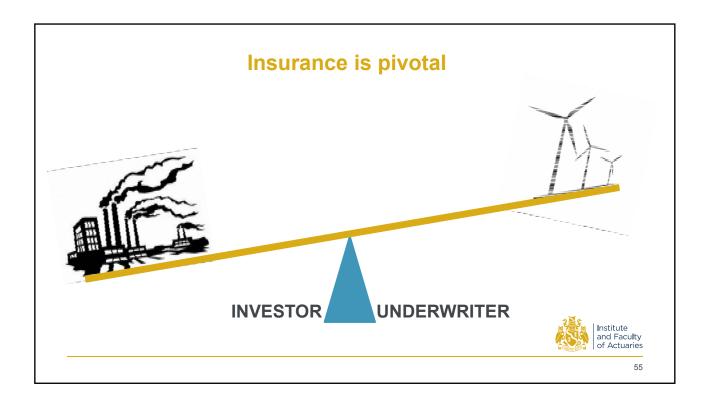


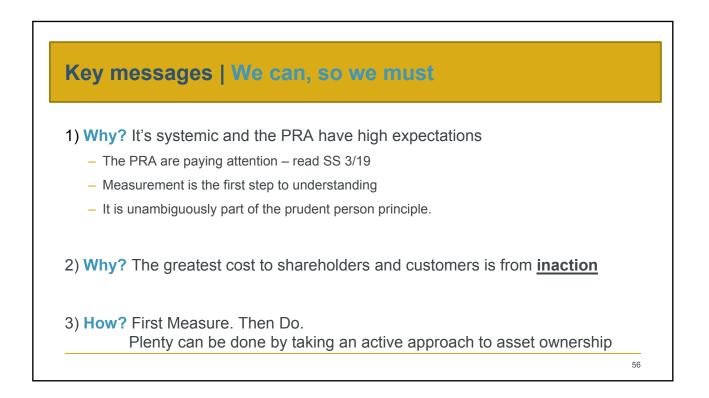


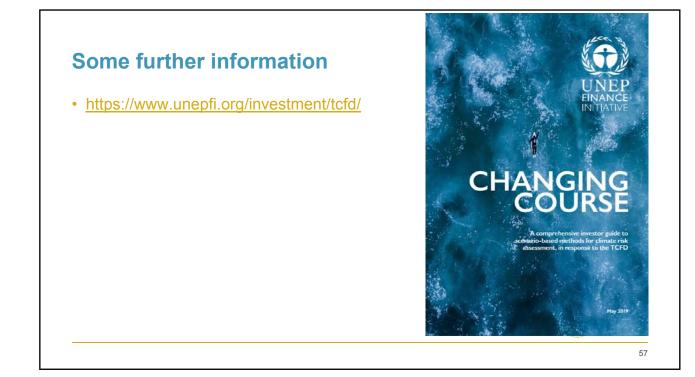


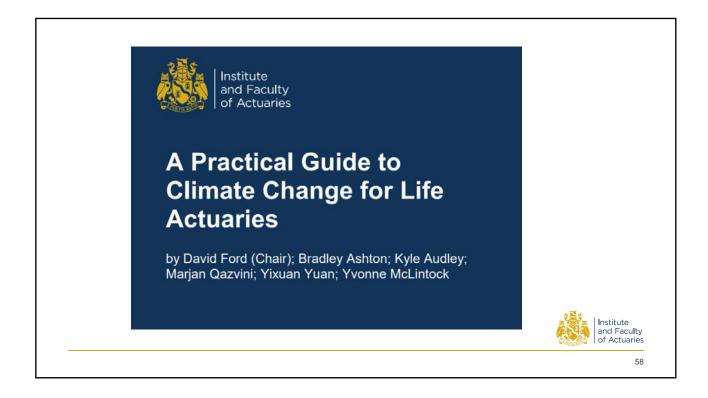


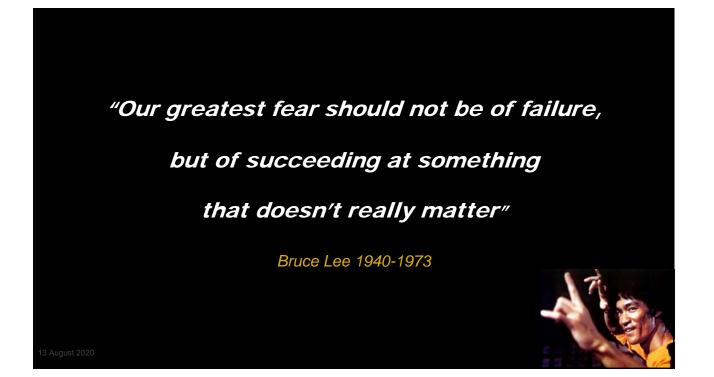




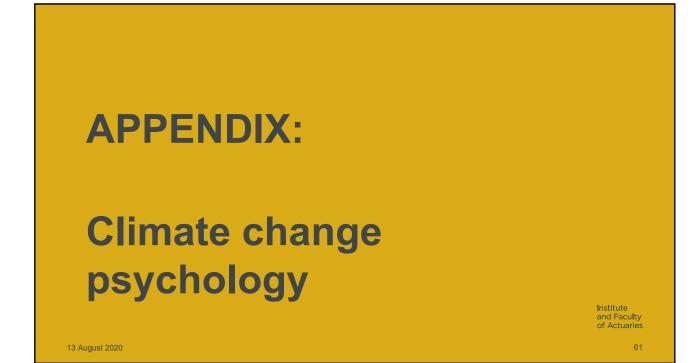




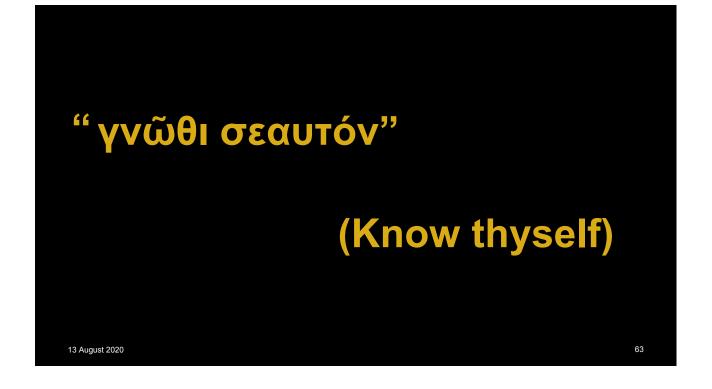










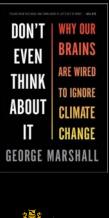


## Know thyself

How we are wired to ignore climate change

- George Marshall
- Humans are irrational
  - Unlikely to respond to long term risks
  - If not aligned with short term reward systems/biases
- Psychology of how we condense our world and react to disasters:
- Framing effect
- Confirmation bias
- Abstraction / Distance

<u> </u>	Don't even think about it - George Marshall
13/08/2020	









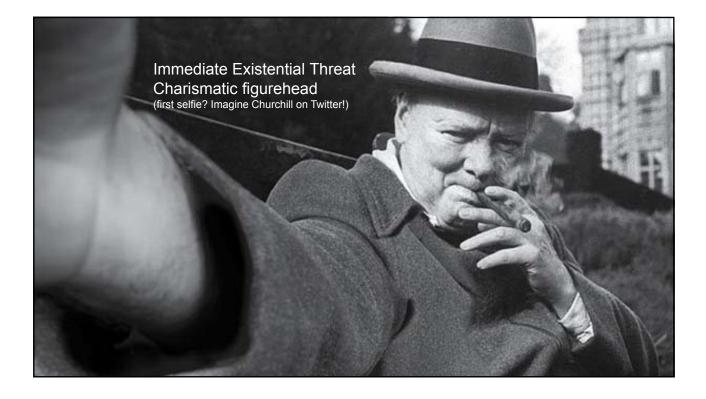












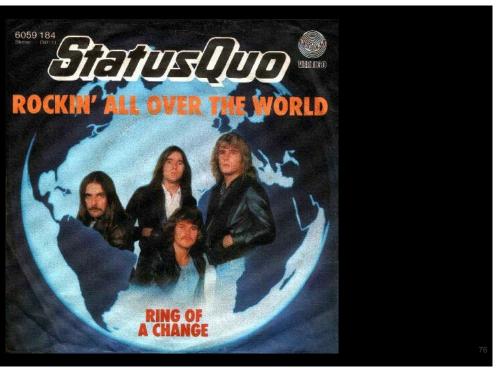






People hate and fear change.

Unless it is obvious it is about survival, then we are masters of adaptation.



They lose the day in expectation of the night, and the night in fear of the dawn. Seneca 4BC-61AD





Our greatest fear should not be of failure, but of succeeding at something that doesn't really matter Bruce Lee 1940-1973