

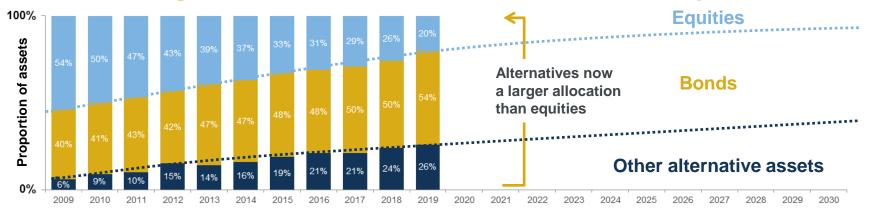
## In the end-game DO sweat the small stuff

Toby Orpin Graham Moles

## **Recent client trends**

#### De-risking towards credit, real assets and LDI

Average asset allocation has become more risk-averse in recent years



Investment strategies that take account of anticipated future cash flow needs are becoming more commonplace, with a growing number of schemes opting to invest in risk-reducing and cash flow-matching assets such as gilts, corporate bonds and illiquids.

#### **Pension Policy Institute**

Source: Pensions Policy Institute: Approaching the endgame: The future of Defined Benefit pension schemes in the UK (October 2019), Mercer (2019). Overlaid with illustrative trend lines (LGIM).



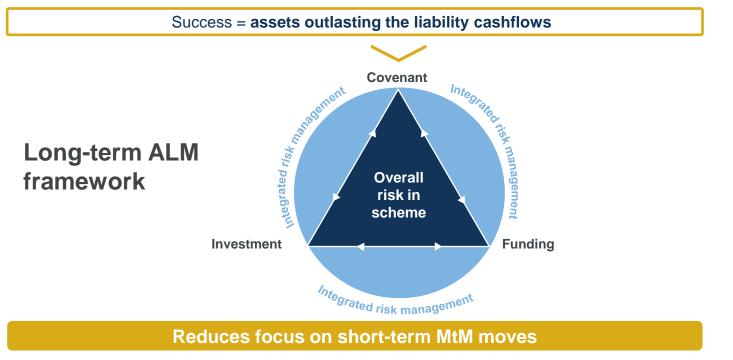


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## **Getting the SAA right**

Achieving your long-term target

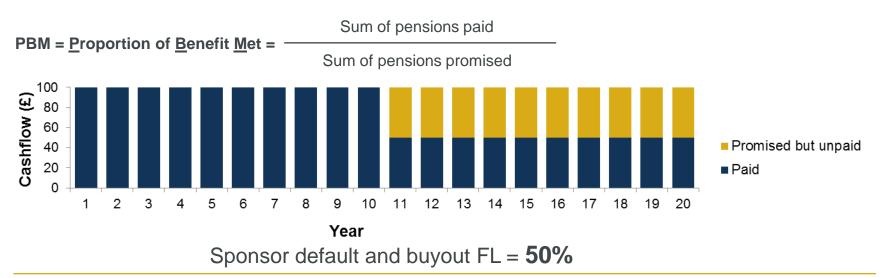
# To achieve a long-term target you need a long-term framework



Source: the Pensions Regulator. ALM - asset and liability management. MtM - mark to market.

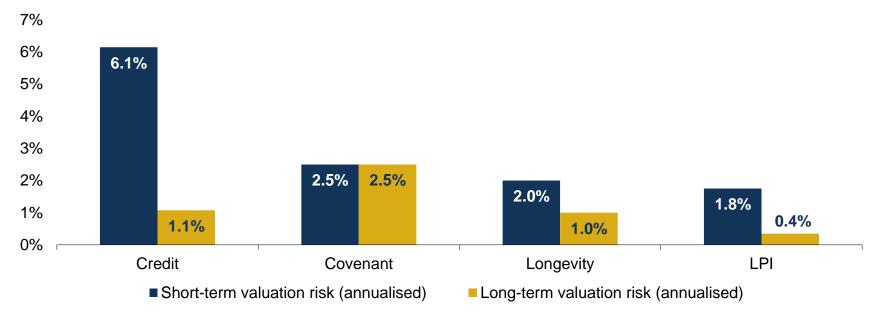
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## **Success is paying pensioners**



Metric	Definition
EPBM	Average proportion of benefits met over all simulations
1 in 20 PBM	Proportion of benefits met in a 1 in 20 event
1 in 50 PBM	Proportion of benefits met in a 1 in 50 event
ource: LGIM, November 2019.	

## **Traditional ALM tools often ignore some risks**



Source: LGIM calculations, November 2019.

- · Figures are purely for illustration only and are scheme dependent e.g. we have assumed a 20 year duration scheme.
- · Both short and long-term risks are expressed as annualised volatilities.
- Each bar is a standalone risk that has not been scaled down e.g. 100% of assets are credit or all liabilities are LPI with a delta hedging approach is adopted.
- Covenant risk calculation assumes a BB-rated sponsor. No future contributions and an initial buyout funding level of 73%.



#### **Avoid reckless prudence**

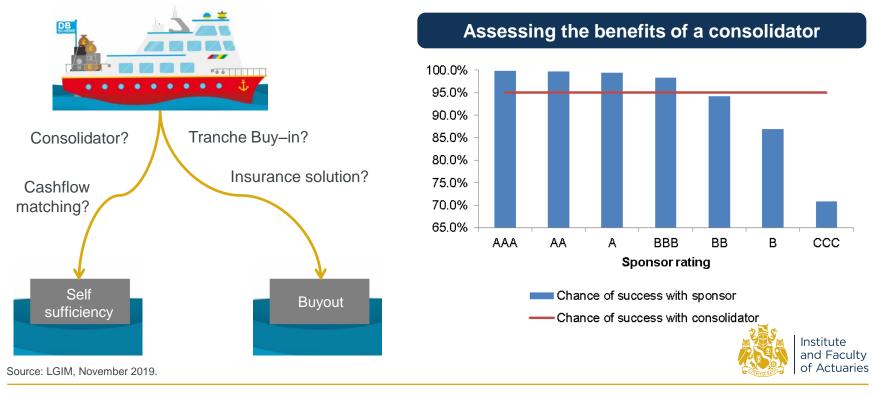
Buyout funding level \ Sponsor credit rating	ААА	АА	А	BBB	BB	в	ссс	CC-C
60%	65%	65%	65%	65%	65%	65%	65%	65%
65%	65%	65%	65%	65%	65%	65%	65%	65%
70%	30%	40%	40%	45%	45%	65%	65%	65%
75%	15%	15%	15%	30%	30%	65%	65%	65%
80%	10%	10%	10%	15%	25%	35%	65%	65%
85%	5%	5%	5%	15%	20%	30%	40%	65%
90%	0%	0%	0%	10%	15%	25%	35%	55%
95%	0%	0%	0%	0%	10%	20%	25%	25%



Source: LGIM, November 2019.

## Agony of choice

How to decide between the multiple paths to achieve a scheme's goal



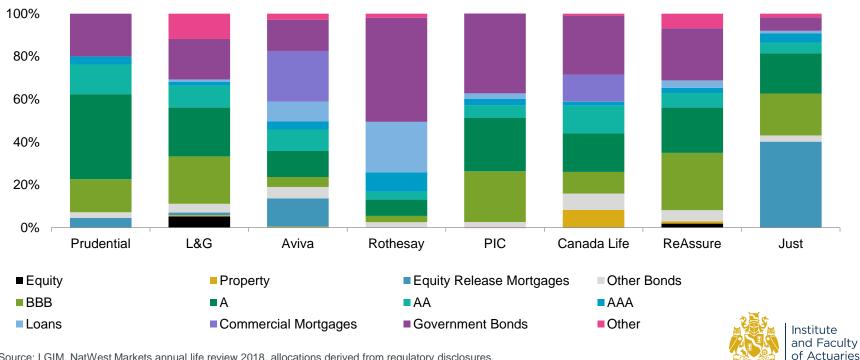


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## **Looking further afield**

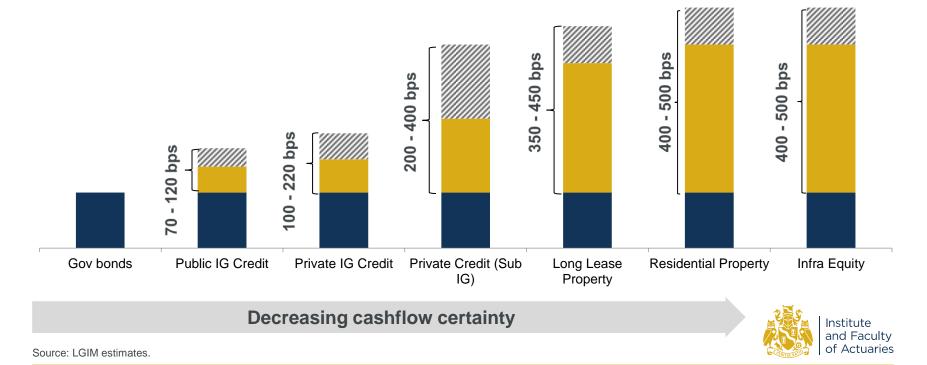
Broadening the opportunity set

#### As you close in on buyout, consider how an insurer invests Snapshot of annuity investments across the market

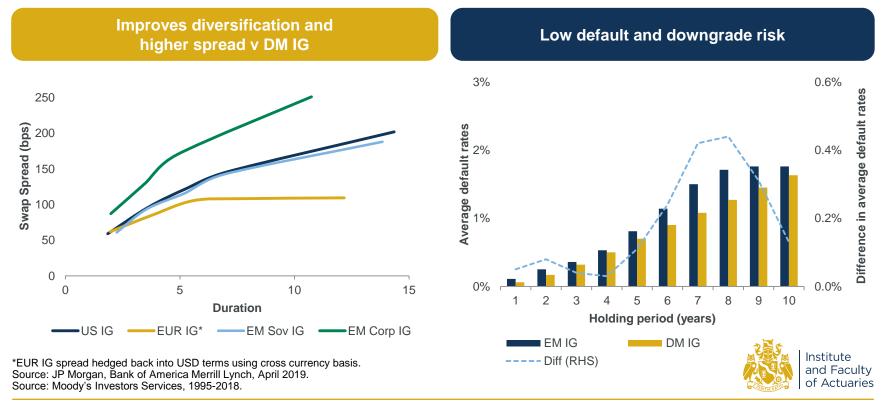


Source: LGIM, NatWest Markets annual life review 2018, allocations derived from regulatory disclosures.

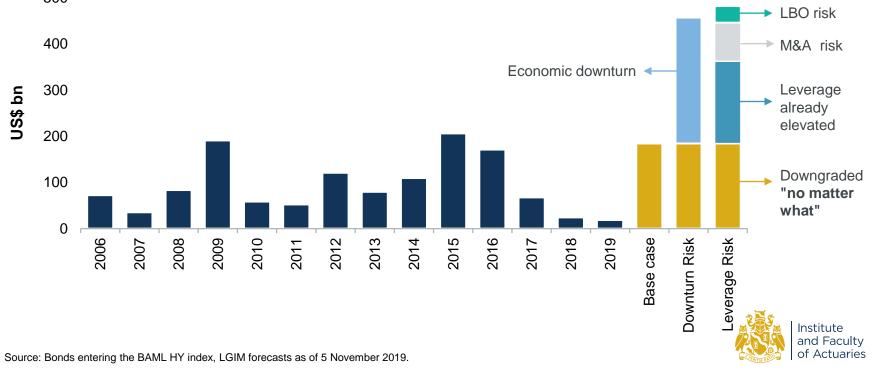
# If buyout is not immediately on the horizon, broaden the opportunity set



#### Preconceptions can lead to missed opportunities...



# **Solution Sector Sector**





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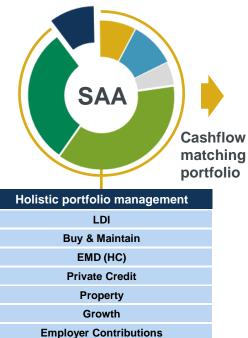
## Implementation

Mind the gap

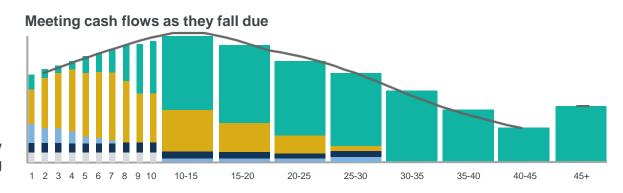
## **Creating a model portfolio**

#### Translating SAA into cashflow matching profile

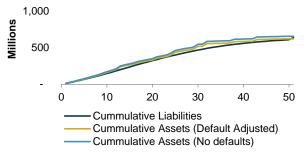
Growth



Source: LGIM, November 2019.



Success is improving cashflow coverage



#### Building blocks to achieve success

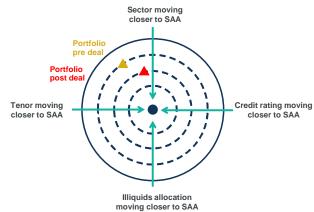


## **Remain nimble and flexible**

#### Example framework for assessing a new private credit investment

Issuer example	Private issuer	Unlisted deal	Key deal positives	Rebalancing approach
Heathrow	Yes	Yes	RPI to CPI linkage	Reduce transport exposure in listed credit and rebalance derivatives from RPI to fixed
Mars	Yes	Yes	New name	Sell out of listed credit consumer cyclicals
Utility	No	Yes	Tailored RPI exposure and increased seniority	Sell out of listed credit utilities and reduce RPI exposure in derivative portfolio

#### How does the opportunity impact my strategic asset allocation?



Source: LGIM, November 2019.

#### How would it affect my return if I was forced to sell the asset?

#### Haircuts to spread

Sponsor strength \ initial buyout FL	70%	75%	80%	85%	90%	95%
AAA	0.1%	0.1%	0.1%	0.2%	0.3%	0.8%
AA	0.1%	0.1%	0.1%	0.2%	0.3%	0.8%
A	0.1%	0.1%	0.1%	0.2%	0.3%	0.8%
BBB	0.1%	0.1%	0.1%	0.2%	0.3%	0.8%
BB	0.1%	0.1%	0.2%	0.2%	0.4%	0.9%
В	0.3%	0.3%	0.3%	0.4%	0.5%	1.0%



#### Benefits of holistic cashflow matching management Avoid being penny wise but pound foolish



Achieving better net spreads: Local authority housing associations

Sector	Housing associations				
Туре	Senior Secured Private placement				
Income Stream	Fixed coupon				
Internal LGIM Rating	A				
Financial Covenants	<ul> <li>Asset cover (EUV-SH 105%; MVT 115%)</li> <li>EBITDA to net interest payable &gt;1.1x</li> </ul>				
Illiquidity premia	40 – 50 bps spread to comparable				

#### Reallocating capital from low yielding public to more attractive private opportunities



**Diversification:** Broadening the opportunity set to include new sectors

Sector	Renewables/ solar
Location	UK
Deal size	£48m
Income Stream	Fixed
Internal LGIM Rating	BBB+
Maturity	2035

Improving overall portfolio diversification and ESG credentials of cashflow matching portfolio



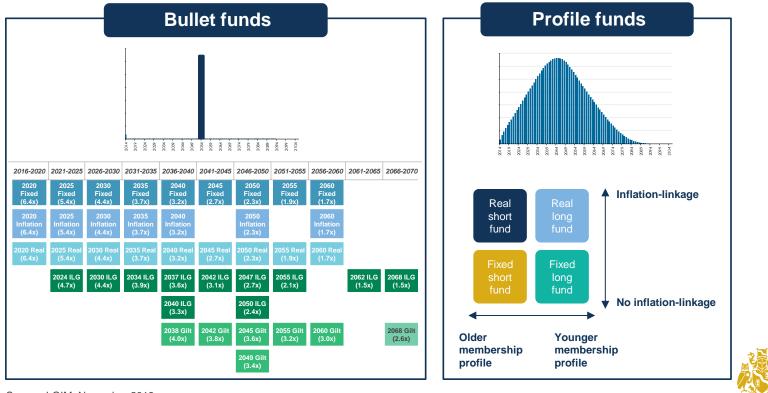
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## Is this available for my scheme

In short... yes

#### **Evolution of tailored strategies – LDI**



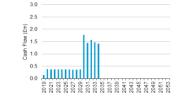
Source: LGIM, November 2019.

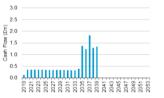
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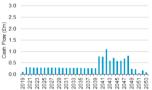
## **Cashflow matching pooled funds**

#### Buy & maintain credit maturing funds



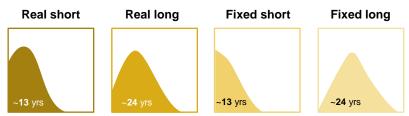






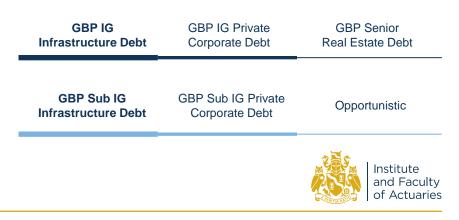
#### **Combined pooled funds**

#### Funds combining credit & LDI



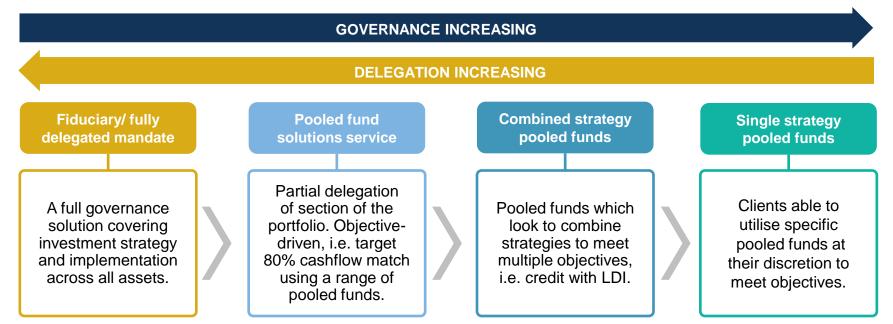
The credit range of funds will allocate to gilts, LDI and buy & maintain credit. This is a diversified and liability-aware credit portfolio.

#### Real assets pooled funds



Source: LGIM, November 2019.

How pooled size schemes can access tailored approaches Range of options depending on preference and governance budget





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