



Time to think differently?



Dispelling the myths of Liability Driven Investing

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What we aim to cover

- ▶ What is Liability Driven Investing (LDI)?
- ▶ Dispelling the LDI myths for Irish Pension Schemes
- ▶ Time to think differently?



IAPF Annual Investment Conference 2017

Have you considered LDI yet?

- 1) No
- 2) Yes – Received training but not progressed further
- 3) Yes – Strategic LDI discussions ongoing
- 4) Yes – Appointed LDI manager
- 5) Yes – Implemented LDI



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Answered 1 or 2 to the previous question?
What is the reason for not progressing further?

- 1) Current interest rates are too low
- 2) We don't want to sell our growth assets
- 3) Not relevant for Irish Pension Schemes
- 4) There are too many risks involved
- 5) Other



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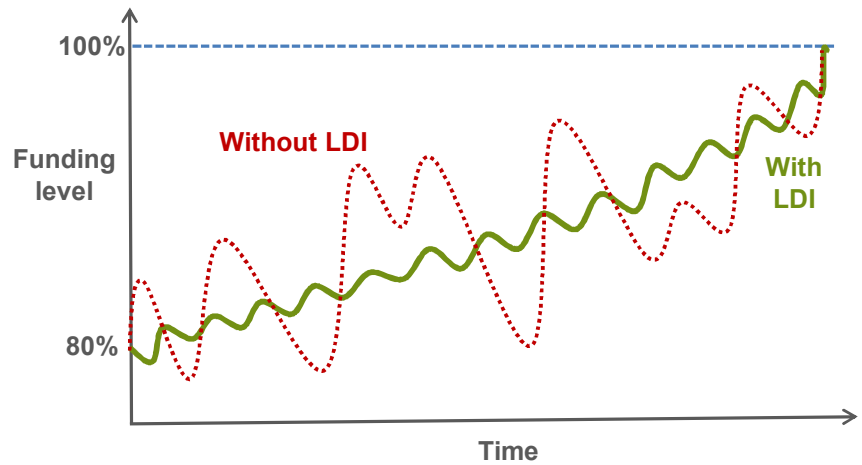


What is Liability Driven Investing - LDI?



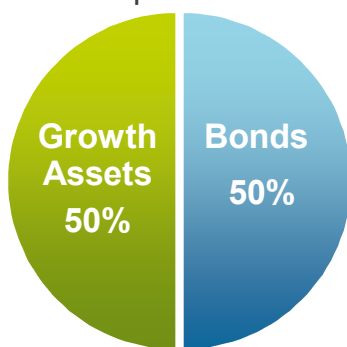
What does an LDI strategy seek to achieve?

- ▶ **Reduce funding level volatility**
- ▶ **Without reducing allocation to growth assets/ expected return**



What risks are schemes taking by not including LDI?

Example Scheme



- ▶ **Assets: €100m (bonds € 50m)**
- ▶ **Liabilities: € 125m**
- ▶ **Bond duration: 12.5 years**
- ▶ **Liability duration: 20 years**

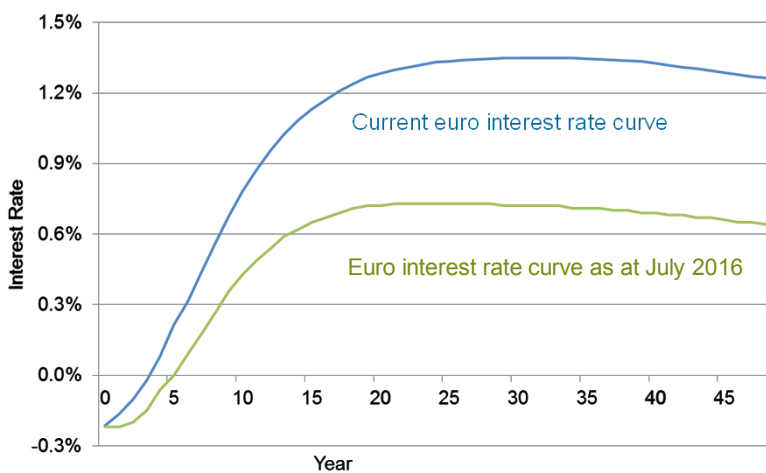
Bonds hedging c.25% of liability interest rate risk*
 Bonds hedging 0% of liability inflation risk**



Dispelling the LDI myths for Irish Pension Schemes



Myth 1: LDI doesn't make sense with low current interest rates

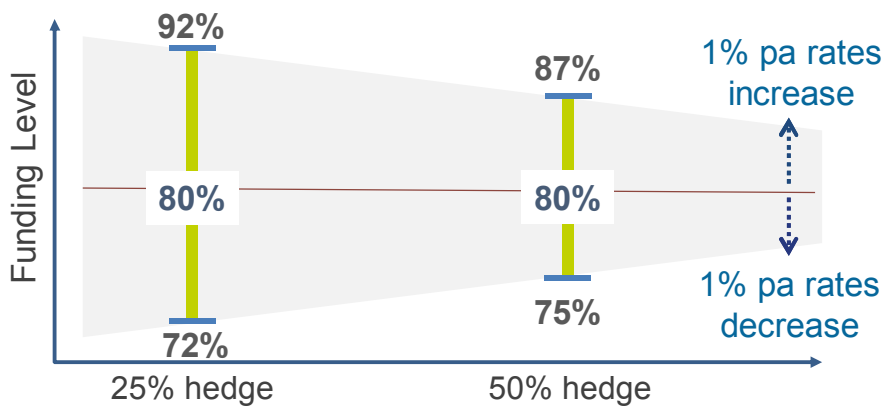


- ▶ The euro base interest rate is expected to rise
- ▶ An LDI interest rate hedge only loses money if rates rise faster or further than predicted
- ▶ Market implied interest rates have increased since July 2016



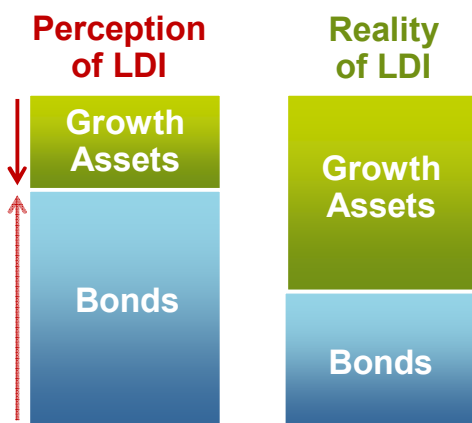
Source: Bloomberg, AXA IM Apollo as at 28/02/2017 and 29/07/2016

Consider phasing in low yield environment



If hedge increased to <100% still benefit from rising rates but better protected from lower rates

Myth 2: LDI means switching equities to bonds



Improve hedging without selling growth assets by:

- ▶ Extending duration of existing bonds
- ▶ Increased use of inflation linked bonds
- ▶ Transfer existing bonds to LDI manager to allow use of a range of LDI instruments

Myth 3: LDI is less relevant for Irish schemes

Some imperfections but better than doing nothing...

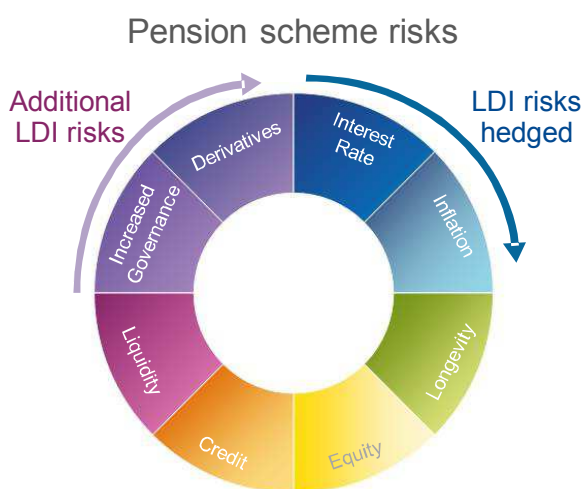


- ▶ There are some additional challenges for Irish schemes
 - Lack of bonds linked to Irish inflation
 - Interaction with statutory funding standard
- ▶ Better liability matching should reduce risk reserve
- ▶ Whilst not perfect it is possible to substantially reduce risk



Source: AXA IM – For illustrative purposes only

Myth 4: It's too risky to implement LDI



- ▶ Complexity reduced
 - Training (consultant/manager)
 - Appropriate reporting
- ▶ Risks Managed
 - Counterparty - diversification and collateral
 - Operational - documentation and robust platform

If you hold bonds you are already partially 'doing LDI'



Source: AXA IM – For illustrative purposes only



Time to think differently?

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Time to think differently about LDI for your scheme?

- ▶ LDI is a strategy seeking to **reduce funding level volatility**
- ▶ This **can be implemented for Irish schemes:**
 - When headline interest rates are low
 - Without reducing growth asset allocation
 - With regard to each scheme's own liabilities and funding basis
- ▶ The **additional risks of LDI can be managed by:**
 - Training
 - Joined up reporting from consultant and investment manager
 - Managing the key risks – counterparty and operational

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Will you now consider adding LDI to your toolkit?

- 1) Yes
- 2) No
- 3) Maybe



Time to think differently

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