

Can an Eye on Investment Markets Smooth your Balance Sheet?

Daniel Banks and Punil Chaubal River and Mercantile Solutions



Questions we will answer

Can insurers improve stability of profits by looking through other lenses?

Should insurers include dynamic asset allocation as part of their investment mandate?

How can insurers develop a more holistic approach that considers assets and liabilities in tandem?

Can investment return be improved without taking additional economic risk?



Background

Challenges of underwriting non-life insurance

Themes in underwriting personal lines insurance

Underwriting personal lines insurance continue to face challenges

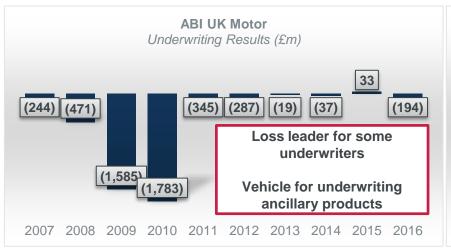
Some recent good news for motor insurers with Ogden revisions and the Civil Liability Bill





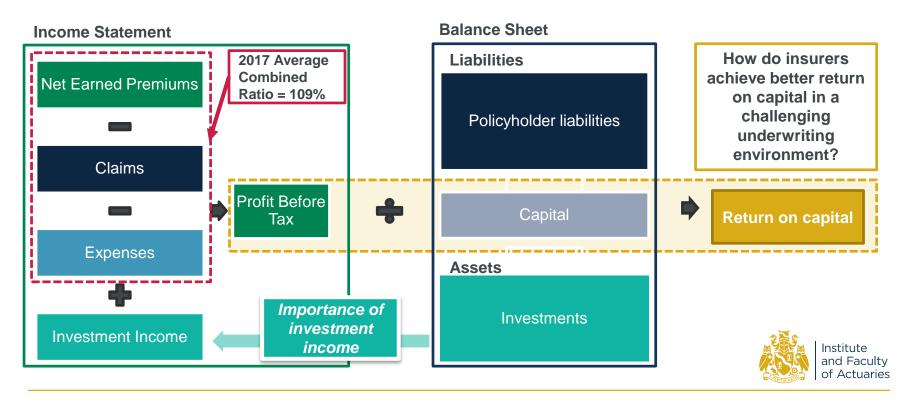
Poor historical market performance

- Motor insurance is increasingly competitive with tight margins, but provides insurers with premium volume
- Home insurance is facing greater challenges around rates and digitisation

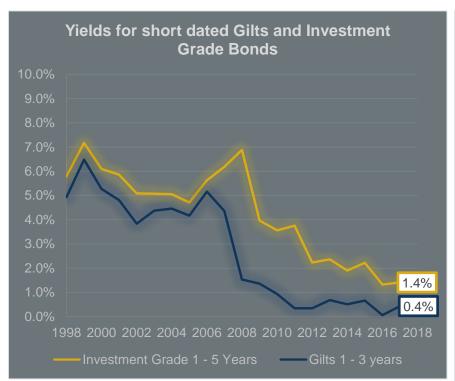


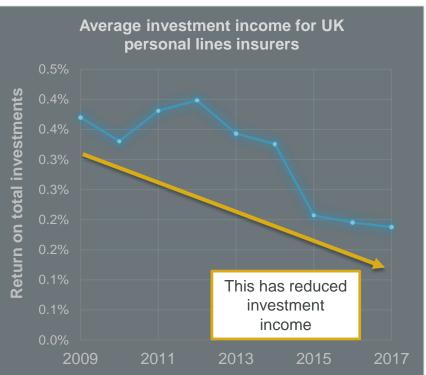


The importance of investment income



Traditional asset classes are low yielding today

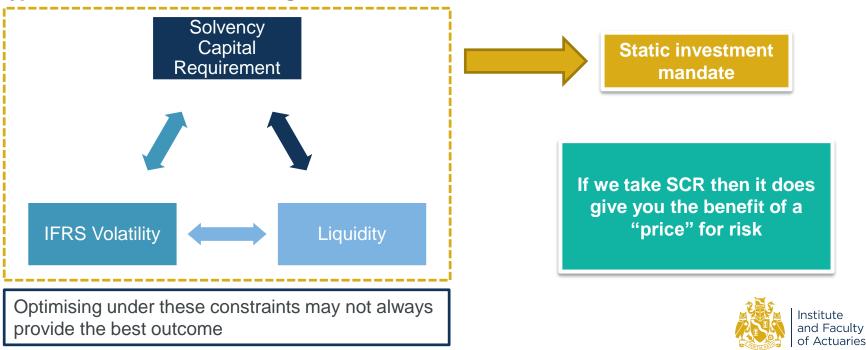






Should insurers rethink their investment mandates?

Typical considerations for setting investment mandates



 Consider an insurer with an investment portfolio comprising entirely of investment grade bonds.

| | Corporate Bonds | High Yield Bonds |
|---|-------------------------------------|------------------------------------|
| Historical Compound Annual Return | 3.3% | 7.2% |
| Annualised Volatility (Actual) | 1.8% | 10.0% |
| Maximum Drawdown | -1.7% | -33.6% |
| | Standalone Market Risk SCR = 11% | Standalone Marke Risk SCR = 35% |

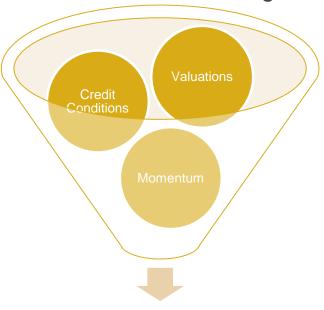
Over the same period High Yield bonds provided nearly twice as much return.

But we cannot ignore the huge increase in volatility or drawdown!

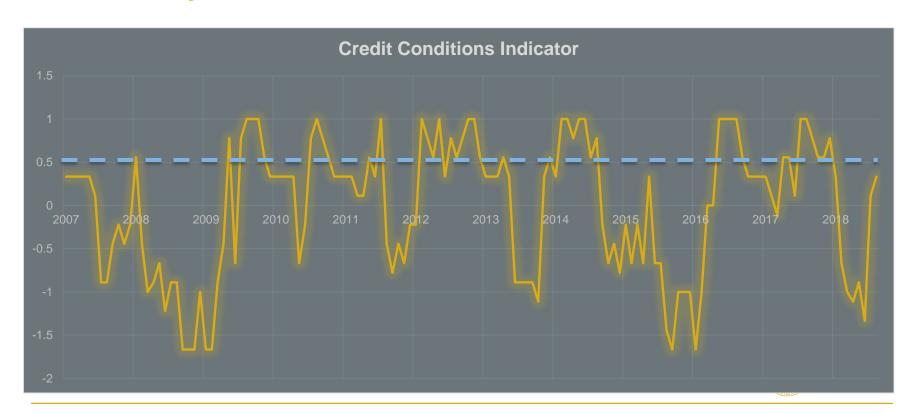


How can insurers access a riskier asset class like High Yield without

increasing risk?



Credit Conditions Indicator



Inclusion of a dynamic mandate allowing up to 25% allocation in High Yield:

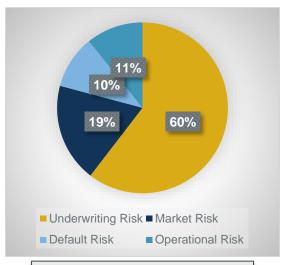
Through allocation to High Yield Bonds at opportune times investment return and risk characteristics improve significantly, compared to investing only in High Yield Bonds

| | Corporate Bonds | High Yield Bonds | Dynamic Allocation |
|---|--------------------|---------------------|-----------------------|
| Historical Compound Annual Return | 3.3% | 7.2% | 4.5 |
| Annualised Volatility (Actual) | 1.8% | 10.0% | 2.1% |
| Maximum Drawdown | -1.7% | -33.6% | -1.7% |

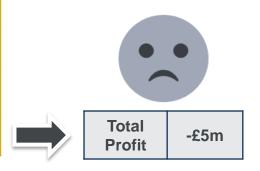


Case for dynamic asset allocation – impact to profits

Assuming that an insurer has the following income statement and risk profile:



| Underwriting Results | -£38m |
|---|--------|
| Expenses (25% of Net Earned Premium) | -£188m |
| Claims | -£600m |
| Net Earned Premium | £750m |



| Investment Income | |
|-------------------------|-------|
| Corporate Bonds on £1bn | +£33m |
| Investment Portfolio | |



Total SCR = 20%

Case for dynamic asset allocation – impact to profits

Assuming that an insurer has the following income statement and risk profile:

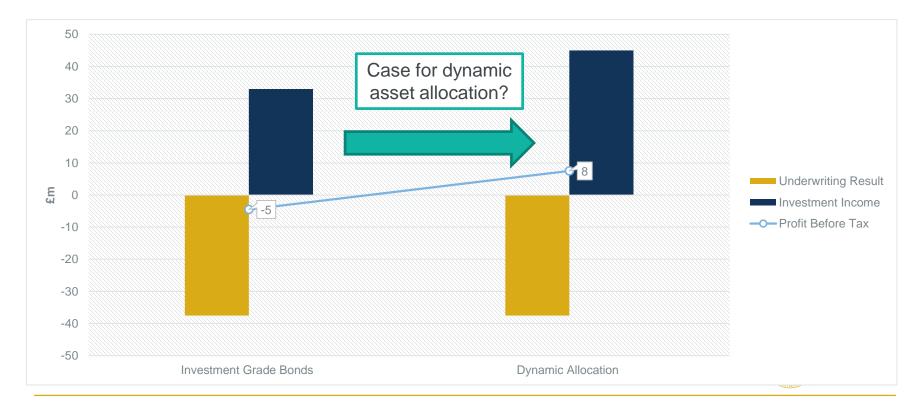


| Net Earned Premium | £750m |
|--|--------|
| Claims | -£600m |
| Expenses (25% of Net Earned Premium) | -£188m |
| Underwriting Results | -£38m |
| Investment Income Corporate Bonds on £1bn Investment Portfolio | +45m |





Allowing for dynamic allocation can improve profits



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What does a holistic approach mean?



For example, what economic risks can impact both sides of an insurers balance sheet?

Traditional framework

Holistic approach



Correlations between assets and liabilities

1. Solvency II suggests market and underwriting are positively correlated

| | Market | Default | Life | Health | Non-Life |
|----------|--------|---------|------|--------|----------|
| Market | 100% | | | | |
| Default | 25% | 100% | | | |
| Life | 25% | 25% | 100% | | |
| Health | 25% | 25% | 25% | 100% | |
| Non-Life | 25% | 50% | 0% | 0% | 100% |

*EU Commission Level 2 - Delegated Acts

2. But to paint a different picture...

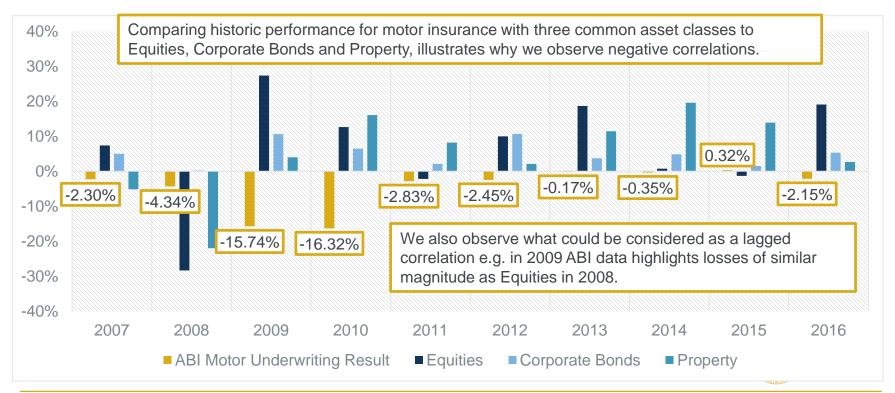
| | ** | Motor Underwriting | Property Underwriting | FTSE 100 Returns | Corporate Bonds Returns | Property Returns |
|---|-------------------------------|-----------------------|--------------------------|---------------------|-------------------------------|---------------------|
| ı | Motor Jnderwriting | 100% | | | | |
| ı | Property Jnderwriting | 12% | 100% | | | |
| | FTSE 100 Returns | -32% | 10% | 100% | | |
| | Corporate Bonds Returns | -48% | -3% | 72% | 100% | |
| | Property Returns | -4% | 20% | 49% | 19% | 100% |

^{**}Historic correlation from 2007 – 2016 for ABI statistics vs Bloomberg asset returns

Some assets classes can exhibit negative correlation to underwriting risks, but this relationship will change over time

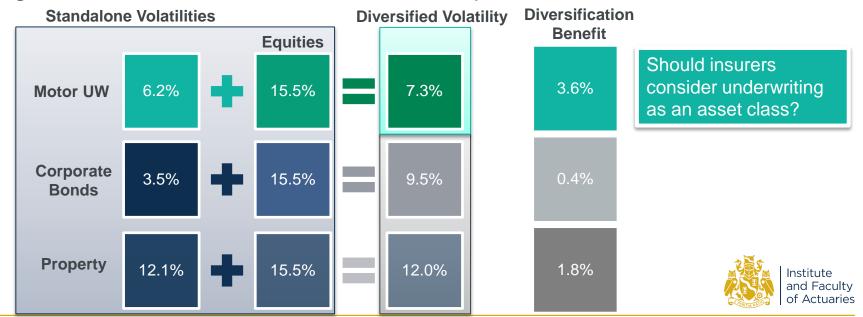


Historic asset class and underwriting performance



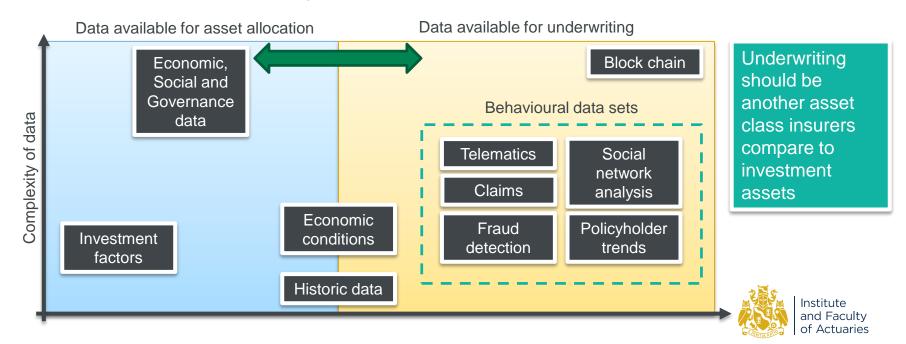
Power of diversification

 Diversification benefit between asset and underwriting performance can be greater than diversification with investment portfolios.



Harnessing underwriting data for asset allocation

How can insurers link their big data to their investment allocation?



Conclusions

- Underwriting personal lines continues to be challenging, as such, insurers should prioritise investment income to aid profitability.
- Asset allocation should consider the broader relationship between asset classes and underwriting returns, in turn allowing for non-traditional asset classes to be considered.
- Insurers should develop a holistic process for evaluating their investment allocation decisions taking into account relevant metrics, such as returns, capital and risk.
- There is always scope for making investment portfolios work harder for insurers, particularly if a dynamic approach to portfolio allocation is used.



Questions

Comments

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