

Life Product in low interest rate environment

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Interest Rate Impacts

Life Product Innovations



Interest Rate Impact

Long-term interest rates Total, % per annum, Nov 1972– Feb 2017



24 April 2017

Interest Rate Impact

Key Drivers of Instability

Persistent low interest rates

Asset Liability mismatch

Products with long term minimum guarantees

Germany

Name	Liquidation date	Total liabilities
Mannheimer	2003	EUR 2,700,000,000
Lauenburg-Alslebener	2011	EUR 351,046
Ver. Vers. Ges.Dtschl. (U.S.)	2011	EUR 18,038,360
Almeda Versicherung	2012	EUR 172,331
Globale Rück	2012	EUR 134,174,476
Prorück	2012	EUR 1,876,485
HDI-Gerling Friedrich	2012	EUR 1,258,296
Gothaer Finanzholding	2012	EUR 297,288,621
ThyssenKrupp Rein AG	2012	EUR 2,030,151
		EUR 3,155,189,766

Japan

Name	Liquidation date	Total liabilities
Nissan Mutual Life Insurance Company	1997	JPY 2,144,000,000,000
Tokyo Mutual Life Insurance Co.	1999	JPY 2,840,000,000,000
Chiyoda Mutual Life Insurance Company	2000	JPY 2,828,000,000,000
Daihyaku Mutual Life Insurance Company	2000	JPY 1,620,000,000,000
Kyoei Life Insurance Co., Ltd.	2000	JPY 4,415,000,000,000
Taisho Life Insurance Company	2000	JPY 191,000,000,000
Tokyo Mutual Life Insurance Co.	2001	JPY 763,000,000,000
Yamato Mutual Life Insurance Co.	2008	JPY 259,000,000,000
		JPY 15,060,000,000,000

Interest Rate Impact -- Japan





Interest Rate Impact -- Japan



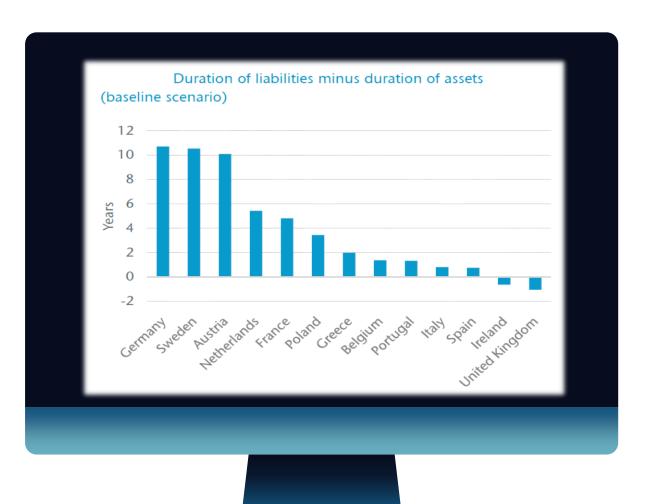
Interest Rate Impact -- Japan

24 April 2017



Interest Rate Impact -- Germany





Interest Rate Impact -- Germany



24 April 2017



Interest Rate Impacts

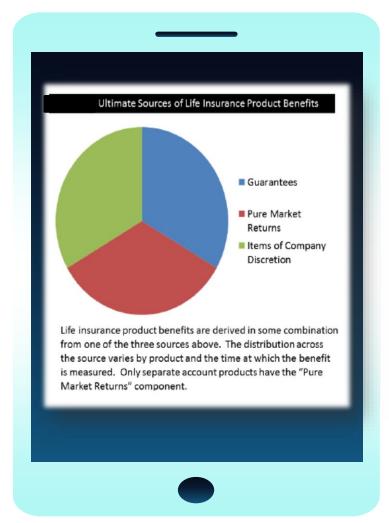
Product Strategy



Product Strategy

General Product Structures	Product Types
Premium dependent	Whole Life, Guaranteed Universal Life, Hybrid Variable Universal Life death benefit guarantees, Indexed Universal Life death benefit guarantees
Dividend dependent	Whole Life with term riders, modified premium whole life, suspended premium whole life
Cash value dependent	Universal Life, Variable Universal Life, Hybrid Variable Universal Life, Indexed Universal Life

31 March 2017



Address the implications of the low interest rate environment and the capital requirements for long-term guarantees



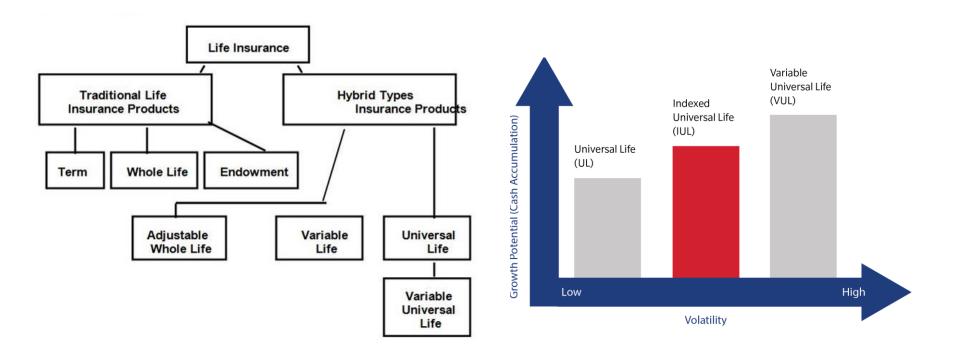
Replacing traditional savingtype products with alternative guarantee concepts



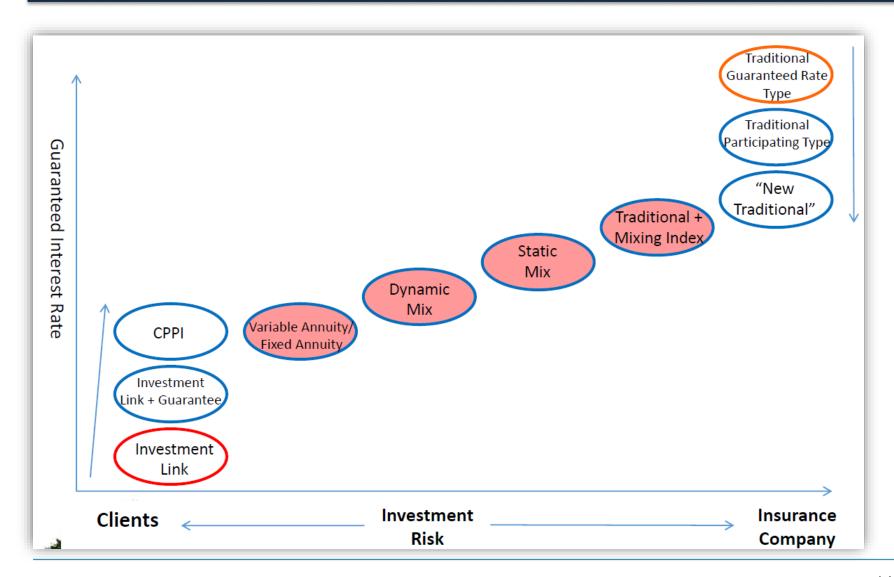
Focusing on protection-type products

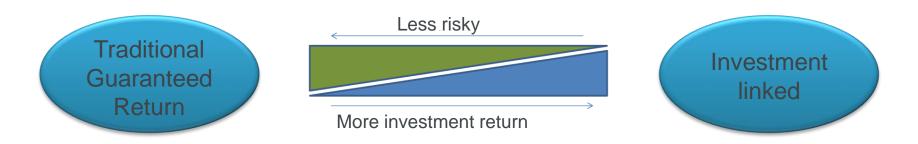


Shift in allocating investment portfolio



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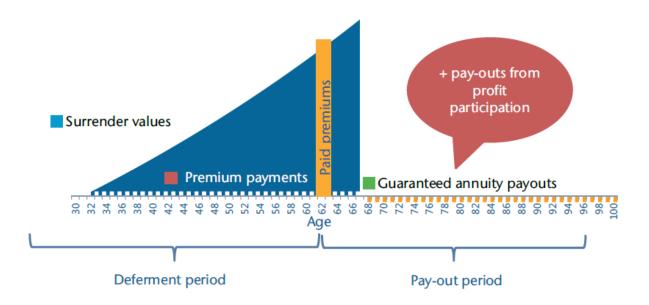


Products:

- Could be shift between Traditional and Investment-linked
- Easy-understood Protection Benefit / Low Premium
- Investment linked: Simple / Transparent / Flexible
- Provide supplementary investment enhancements

Product Innovation — Traditional Guarantee

Guarantees in traditional deferred annuity products



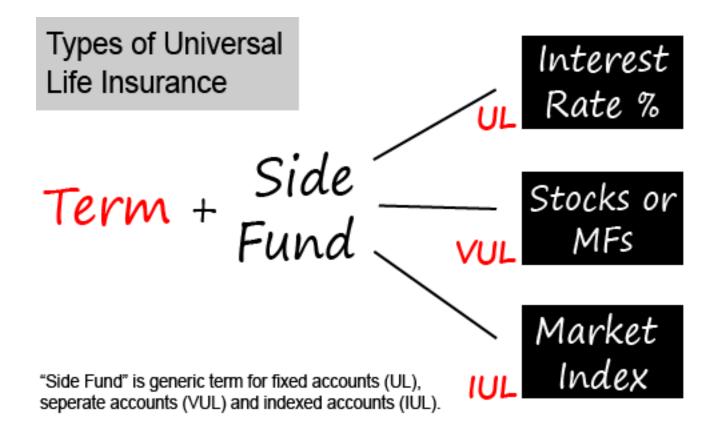
- Interest rate
- Surrender values
- Accumulated capital at the end of the deferment period
- Return of paid premiums at the end of the deferment period

- Interest rate
- · Mortality rate
- Minimum annuity pay-out
- Annuitisation factor at the end of the deferment period

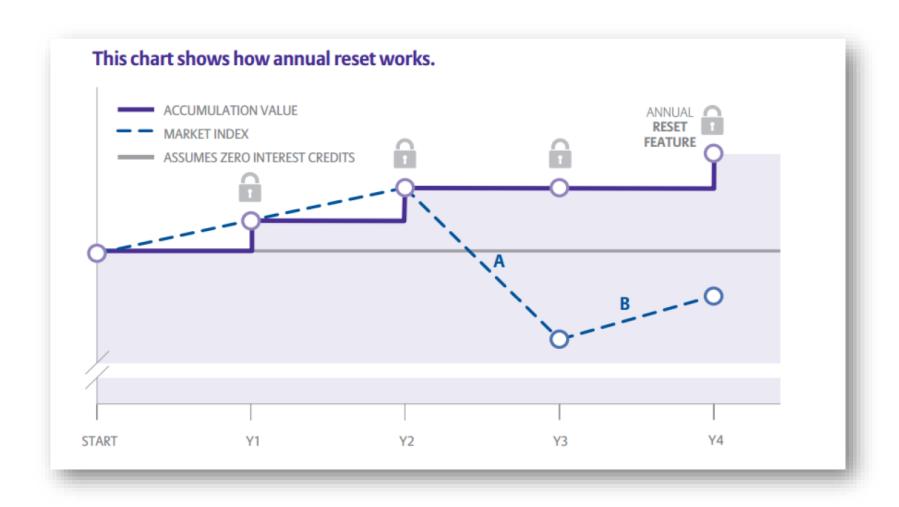
Product Innovation – Investment linked

General Impact of Sustained Low Interest Rates		
	Existing ("Inforce") Policies	New Policies
Cash Value Dependent Struc	tures	
Most Universal Life	Lower cash value; Reduced policy duration absent additional premiums; Increased policy expenses	Higher illustrated premiums
Variable Universal Life	To extent investment performance lower than expected, lower cash values; Earlier policy lapse absent additional premiums; Restrictions on allocations to fixed accounts	Lower guaranteed interest rates in fixed account options; Limitations on allocations to fixed accounts
Indexed Universal Life	Lower cap and/or participation rates;	Lower cap and/or participation rates
	Reduced cash value; Reduced policy duration absent additional premiums; Increased policy expenses	resulting in higher illustrated premium requirements.

Product Innovation – Investment linked



Product Innovation – Investment linked



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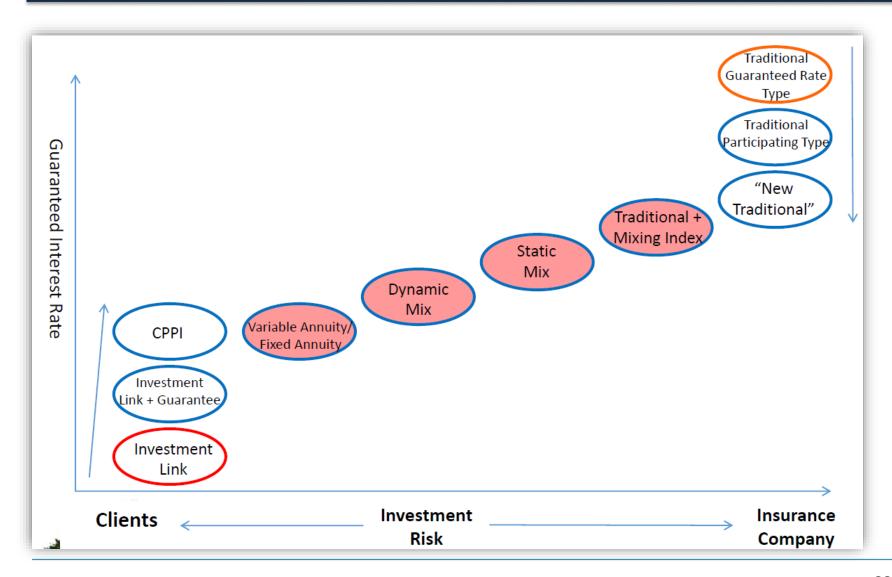
Product Innovation – New Traditional

General Impact of Sustained Low Interest Rates			
	Existing ("Inforce") Policies	New Policies	
Dividend Dependent Structu	Dividend Dependent Structures		
Whole Life with Term	Additional out-of-pocket premiums;	Higher illustrated premiums;	
Riders	Increased annual premium		
	requirements; Reductions in death		
	benefit; Increased policy expenses		
Modified Premium	Additional out-of-pocket premiums;	Higher out-of-pocket costs; Lower	
Whole Life	Payment of higher Ultimate Premium	death benefit growth	
Suspended Premium	Reappearing out-of-pocket premiums;	Inability to suspend premiums;	
Whole Life	Reduced cash value and death benefit;	Increase in number of required out-of-	
	Increased number of required out-of-	pocket premiums	
	pocket premiums		

Product Innovation – Hybrid

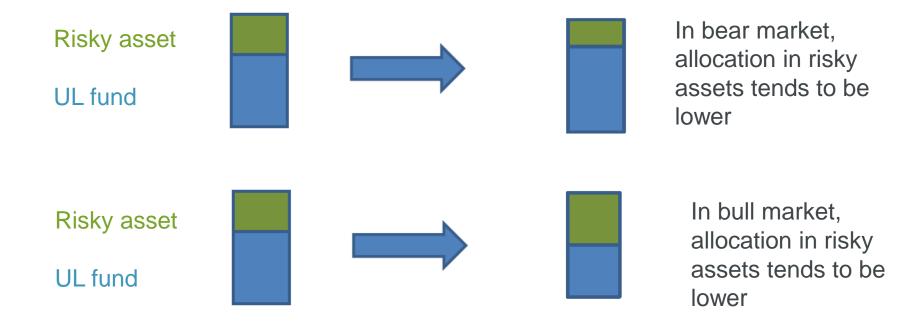
eneral Impact of Sustained	Low Interest Rates	
'	Existing ("Inforce") Policies	New Policies
emium Dependent Structu	ires	
Whole Life (All base – premium paid all years)	Lower death benefit growth; lower cash value	Same
Universal Life with Secondary Guarantees	Lower cash value; No impact on death benefit guarantees since premium dependent	Higher premiums especially for large up front funding (i.e. 1035 exchange) Restrictions on amount of lump sums Fewer carriers offering product
Variable Universal Life Death Benefit Guarantees	No impact on death benefit guarantees since premium dependent	Premiums for guarantees have been reducing; restrictions on allowable investment allocations with guarantees
Indexed Universal Life Death Benefit Guarantees	No impact on death benefit guarantees since premium dependent	Introduction of more products with limited or long-term guarantees
Guarantees		
Indexed Universal Life Death Benefit	No impact on death benefit guarantees since premium dependent	guarantees Introduction of more products with limited or long-term guarantees

Product Innovation – Hybrid



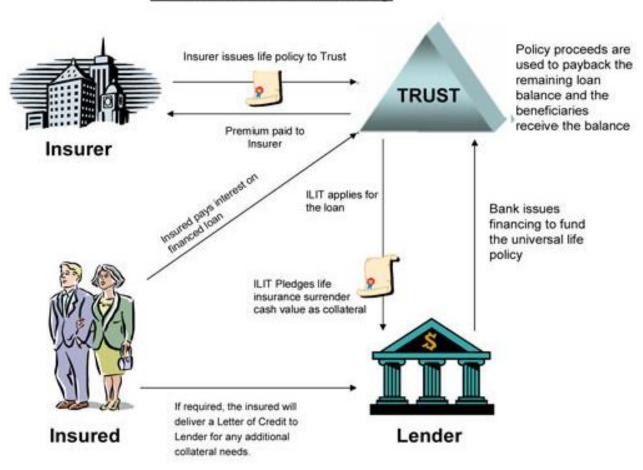
Product Innovation – Hybrid

Hybrid product with dynamic allocation:



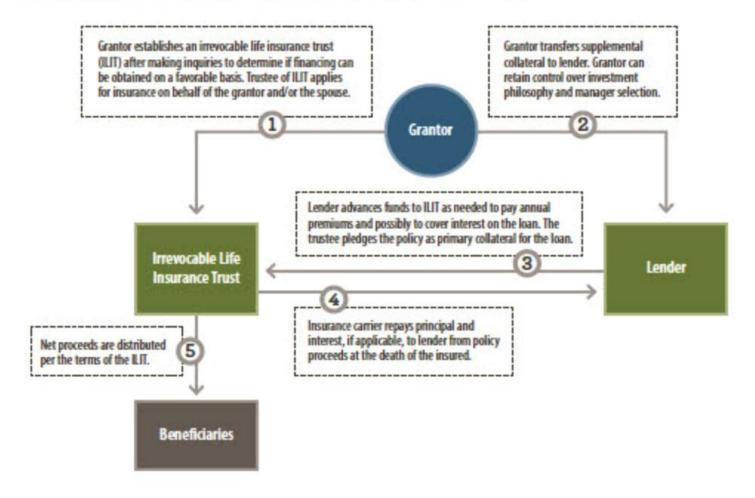
Product Innovation – Other

Premium Financing



Product Innovation – Other

When arranged properly, life insurance premium financing can be a valuable funding alternative for your estate plan.



Outlook

Innovative Product

Innovative Distribution Approaches



Thank you!

