

Financial repression in action...

Savers 'condemned to £33bn loss' by Bank of England

Daily Telegraph, August 2013

The £170bn secret raid on your savings: How keeping rates at a record low is a government ploy to pay off its debts

thisismoney.co.uk, August 2013

The elderly must suffer low rates so the young can pay down their debts

Daily Telegraph, July 2013

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What is Financial Repression?

Shaw and McKinnon (1973)

- Distortion by government of domestic capital markets
- Particularly to channel funds to themselves, that, in a deregulated market, would go elsewhere

Reinhart and Sbrancia (2011)

- Explicit or indirect caps or ceilings on interest rates
- Direct lending to govt. from captive domestic audience
- Regulation of cross-border capital
- Tighter connections between governments and banks



What is Financial Repression?

- Implemented by: Macro-prudential regulation
 - "Goodbye financial repression, hello market crash"
- Evidenced by: Negative real yields
- Impact: A tax on savers
 - Paid to borrowers including government

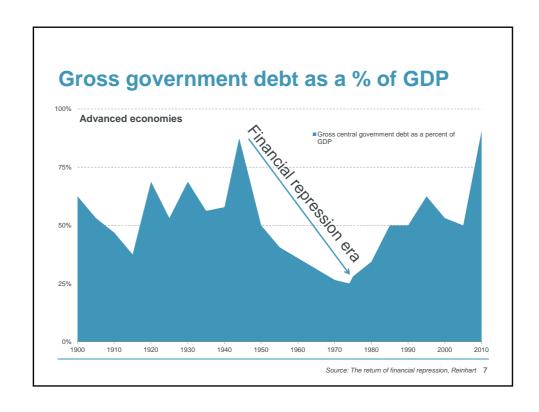


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How can debt to GDP be reduced

- 1. Economic growth
- 2. Austerity and fiscal adjustment
- 3. Outright defaults or restructuring
- 4. Surprise burst in inflation
- 5. Steady dose of financial repression + steady inflation

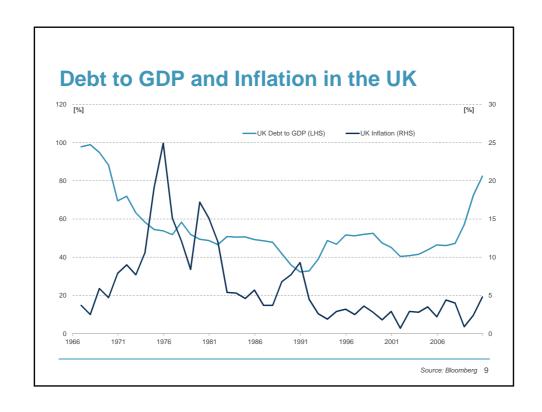




Financial repression "tax" estimates

Country	Period	% GDP p.a.	% of years with -ve real yield
Argentina	1944-1974	3.2	97
Australia	1945-1968, 1971, 1978	5.1	48
Belgium	1945-1974	2.5	48
India	1949-1980	1.5	53
Ireland	1965-1990	2.0	62
Italy	1945-1970	5.3	41
South Africa	1945-1974	1.2	43
Sweden	1945-1965, 1984-1990	0.9	36
United Kingdom	1945-1980	3.6	48
United States	1945-1980	3.2	25

Source: The return of financial repression, Reinhart 8

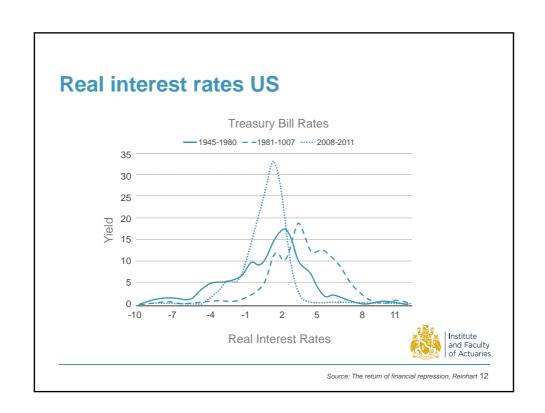


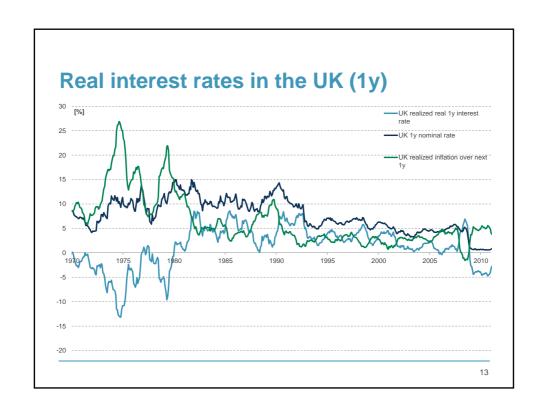


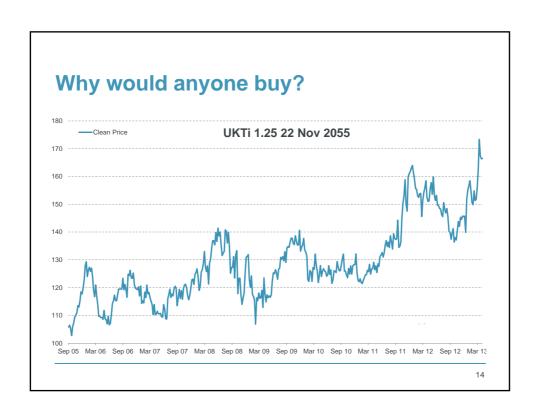
Caps on interest rates

- Explicit regulation
 e.g. Regulation Q in the US prohibited banks from paying interest on demand deposits and capped interest on saving deposits
- · Caps on bank's lending rates
 - Fixed coupon rate nonmarketable debt
 - Central bank interest rate targets
- Quantitative Easing
- Forward Guidance











Quantitative Easing

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Impact of QE on gilt yields

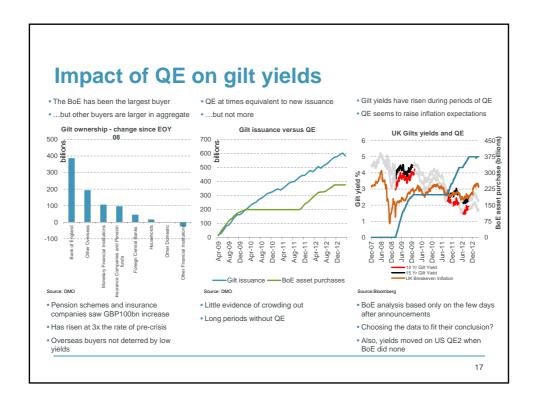
QE reduces yields

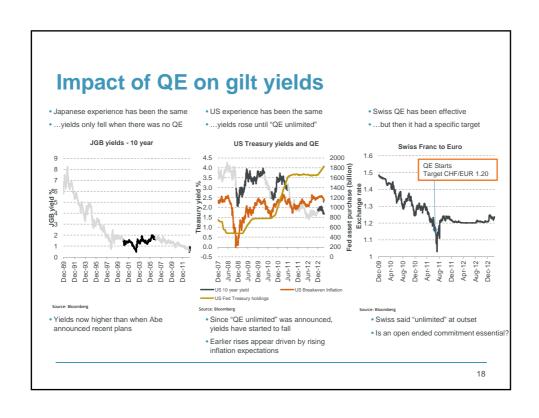
- "QE has caused the price of gilts to rise and yields to fall" and "The results... around 100bps fall" Bank of England, July 2011
- "One of the effects of QE is to push up the market price of government bonds and consequently to push down the yield they give investors." BBC article, March 2012
- "...the very low gilt yields which are partly, though not exclusively, the result of QE." NAPF, Exceptional times, exceptional measures, March 2012

But then again...

- "UK gilt yields have declined only marginally more than comparable government bond yields in countries where there had been no QE." Towers Watson, October 2012
- "There are several ways in which large-scale central bank purchases of government bonds can put upward pressure on their yields." Capital Economics, April 2013
- "Far from being expansionary, QE is actually contractionary and deflationary." Ken Fisher,
 Chief Executive of Fisher Investments, FT article, April 2013

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Impact of QE on gilt yields

- Do not jump to convenient conclusions
 - There are rational explanations for QE either decreasing or increasing bond yields
 - Buying on rumour could support the former view, but is hard to prove
 - The evidence suggests the latter view has held more often
 - The form and target of QE matter
- Yields have fallen...
 - ...but it is impossible to prove what, if any, was due to QE
 - Look elsewhere for answers as to why yields have fallen

19

Impact of low rates on insurers and pension funds

The insurance industry and pension providers have as their first concern the return of the economy to health; however...

Defined Benefit Scheme Assets and Liabilities



Source: The Purple Book 2012 PPF/The Pensions Regulator 20

Impact of low rates on insurers and pension funds (2)

- Scheme Funding implications and impact on sponsors
- Individual annuity prices and fund values
- Investment decisions and balance sheet impacts for Life Insurers
- General Insurance underwriting profit margins



21

Impact of low rates on insurers and pension funds (3)

Defined Benefit Schemes (cont.)

- Higher recovery payments for sponsor just at a time when it may find hardest to afford. Possible
 weakening of on-going business prospects and/or jeopardise ability to continue to support the
 scheme.
- TPR suggested in a statement released in April 2012 "Pension scheme funding in the current environment" that it would exercise understanding in the current challenging conditions.
 - Suggests it may be acceptable to adopt a "rate reversion" margin in the recovery plan assumptions if i)
 Trustees acknowledge the increased reliance on the sponsor, and ii) monitor assumption of rate reversion against reality (with contingency plans in place).
- Scheme Trustees are faced with higher gilt prices, making it costly to pursue a matched strategy.
 - Adopting a riskier investment strategy may place more reliance on the sponsor and lead to a greater PPF levy
 - Targeting long term goal of buy-out more expensive.

Defined Contribution Schemes

- Increased annuity prices from low rates
 - Impact may be dampened for those very close to retirement if in a lifestyle investment fund.
- Low or negative investment returns, especially if purchasing index linked UK gilts
- Members may have benefited from the rise in equity prices over 2009-2012

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Impact of low rates on insurers and pension funds (4)

Life Insurance

- Inflated gilt prices have pushed investment strategy towards alternate investments in search of yield. Investment in corporate bonds and structured credit is more attractive to maintain rates of return.
- · Possible balance sheet impacts
 - Higher market risk capital requirements if alternative investment strategy pursued.
 - Lower gilt yield has led to lower assumed reinvestment return and so a deterioration in balance sheet position (greatest impact for deferred products).
 - Cost of annuity rate and investment guarantees increased.
 - Higher longevity capital requirement.
- Fall in perceived value of saving may lead to less pension saving by individuals and consequently less business (Aviva February 2013 survey "Working Lives" suggests that nearly 40% of people will opt out of auto-enrolment)
- Bulk purchase annuity firms impacted by increased DB scheme deficits
 - Possible fall in buyout business as schemes less able to afford. The Aon Hewitt 2013 survey "Global pension risk survey" showed that pension schemes' long term risk reduction goals are now further away.
 - Schemes/sponsors likely to have less funds available so greater need to be competitive to win business: margins squeezed.

General Insurance

Less investment return on short term liquid investments – need to make underwriting profit



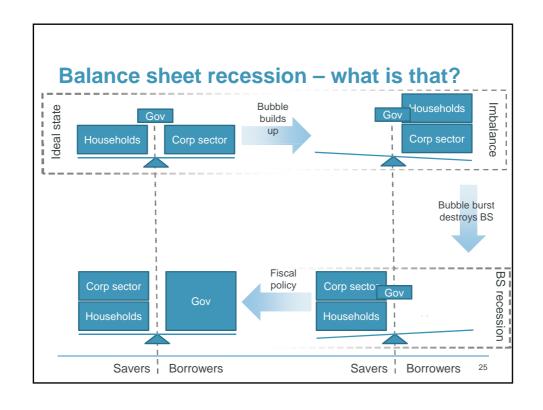
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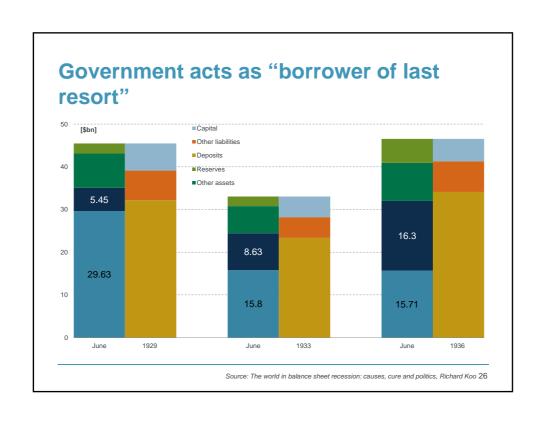


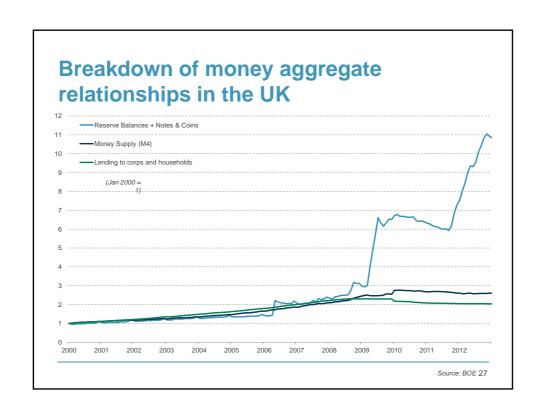
Balance sheet recessions

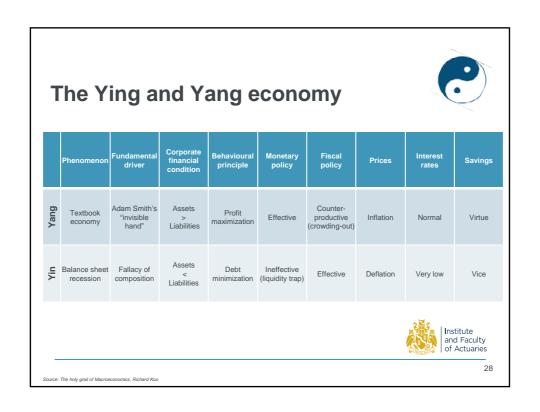
Lessons from Japan













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Unconventional²

Financially "repressive" schemes

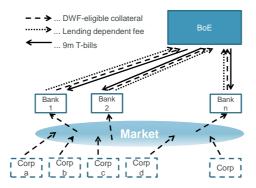
There are other schemes which reduce private sector investment options and effectively encourages investors towards repressive negative "real yield" investment:

- Funding for Lending Scheme
- · Help to Buy Scheme
- Business Finance Partnership
- Government underwriting of Housing Association bonds

Each of these schemes reduces options for savers and investors as government is providing cheap finance.

FLS

The BoE provides 9m T-Bills to banks and building societies in exchange for eligible collateral. On maturity, the bills must be returned and can be exchanged for fresh 9m T-bills, allowing funding to occur for up to four years. The paid fee and the amount that a bank can borrow depends on its change in lending.

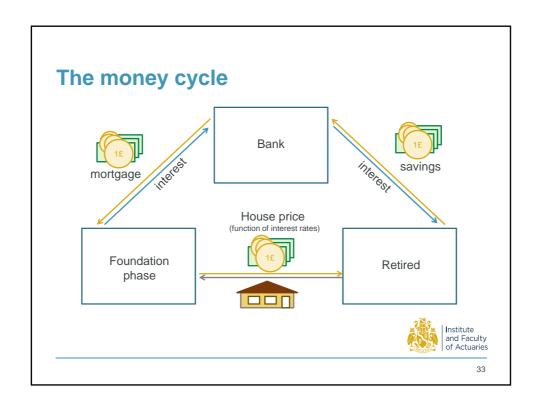


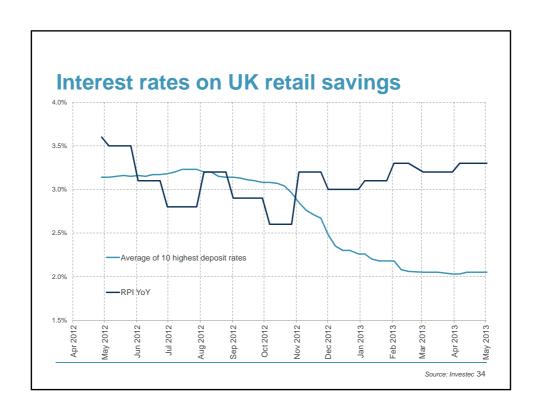
31

Funding for lending scheme?

- Is it right for the government to pressure or incentivise banks to increase lending when banks argue that there is low demand for lending from credit worthy applications. This particularly after the over aggressive lending which caused the financial crisis of 2007/8?
- Is it right for government to facilitate lending for residential mortgages and making them artificially cheap, blocking private sector investment?
- Is the weakening of the savings market another form of "repression"?

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Other currently "repressive" schemes

Support for Housing Associations

- Housing Associations able to borrow money cheaply from Government for social housing.
- This restricts private sector investment into this field as investors cannot compete with the source of cheap money

Business Finance Partnership

- · Provides lending to SMEs alongside private sector investment.
- Reduces the returns to investors as it alters the balance of supply and demand for loans

Help to Buy Scheme

- · Could this create a housing bubble?
- · Shifts emphasis from rental market to home ownership
- What happens when government support is withdrawn?
- · Reduces possibility of private sector investment in residential property



25

What does the Bank of England say

"That led to a transfer of wealth to the older generation, which took the form of the younger generation taking out a lot of debt and the older generation having a lot of liquid assets that they got from the proceeds of selling houses."

Mervyn King, Treasury Select Committee testimony, June 2013

"I have tremendous sympathy for [savers]. But raising interest rates now is not the answer – instead what savers need is a stronger economy. That will mean higher asset prices ... [and] is in all of our interests, as it will deliver better job prospects for our friends, neighbours, children and grandchildren."

Mark Carney speech on Forward Guidance, August 2013



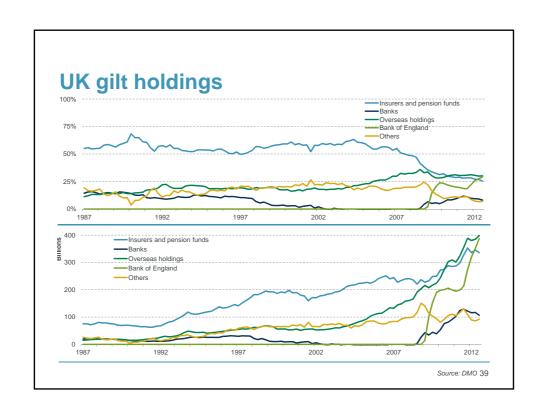
A captive audience

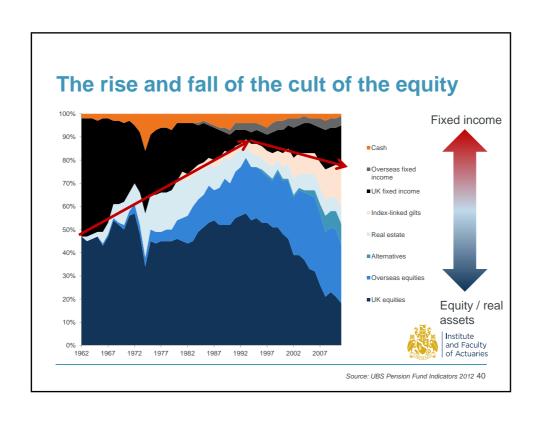
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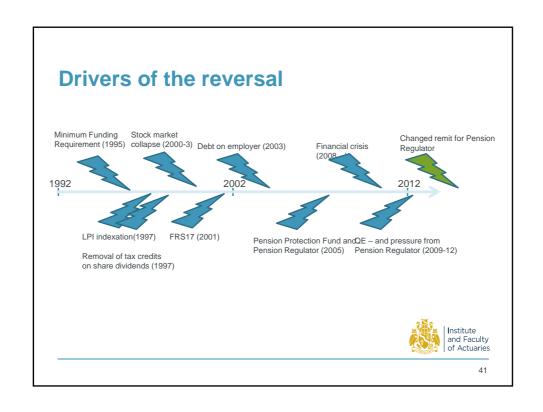
Creating and maintaining a captive domestic audience

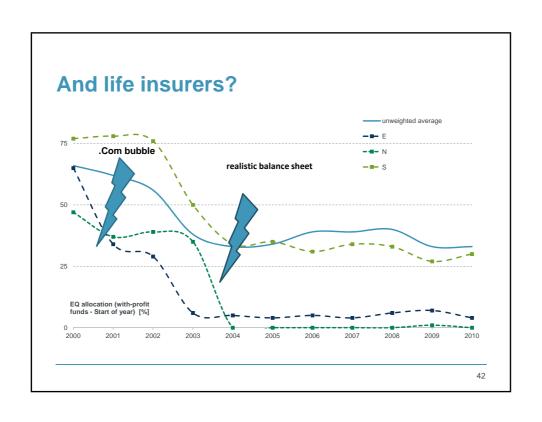
- Prudential regulatory measures
- Exchange controls
- High reserve or liquidity requirements (tax levy on banks)
- Transaction taxes
- Prohibition of gold transactions











Irish precedent

- National Pension Fund used to bail out banks
- Private pension fund tax
- Sovereign annuities



43

Drivers of Economic Growth and International Wealth Transfers

- Demographics
- Productivity

How will indebtedness of west unwind? What happens when rapidly ageing Chinese population starts trying to run down savings?



Discussion points ...

- What's the lesser evil: financial repression or market crashes?
- Why would anyone buy assets with negative real yields are pension funds and insurers overly influenced by regulation?
- Has the main impact of unconventional monetary policies, such been to repress retail savings and is this a good thing?
- Are savers unfairly paying for the past excesses of borrowers? Or are low interest rates necessary to redistribute the baby-boomer's wealth to a younger generation?
- Cock-up or conspiracy is this a deliberate strategy, or the result of an accidental interaction of monetary policy and regulation?



45

Questions Comments

Expressions of individual views by members of the Institute and Faculty of Actuaries and its staff are encouraged.

The views expressed in this presentation are those of the presenter.





Appendix

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Working party members

- Paul Fulcher (chairman)
- Richard Boardman
- Ian Collier
- · Hans-Christof Gasser
- Rod Price
- Paul Shelley
- Sarah Softley



Recommended further reading

The Liquidation of Government Debt
 Reinhart and Sbrancia; 2011; National Bureau of Economic
 Research

http://www.nber.org/papers/w16893

The Return of Financial Repression
 Reinhart; 2012; Centre for Economic Policy Research
 http://www.cepr.org/pubs/dps/DP8947.asp

- The world in balance sheet recession: causes, cure and politics Richard Koo; 2011; Nomura Research Institute http://rwer.wordpress.com/2011/12/12/rwer-issue-58-richard-koo/
- Investment Practice Full Circle?
 Alastair Ross Goobey; 2005; The Pension Institute http://www.pensions-institute.org/workingpapers/wp0510.pdf

