

QE and the inflation dogma

Does it work and does it make sense?

Richard Silveira PhD

Agenda

- Does the current mandate make sense?
- Is monetary policy a suitable tool?
- What did QE bring us?
- How will QE unwind?
- Monetary policy and pensions

Is there another way?





Why does the BoE exist?

To promote the good of the people of the United Kingdom

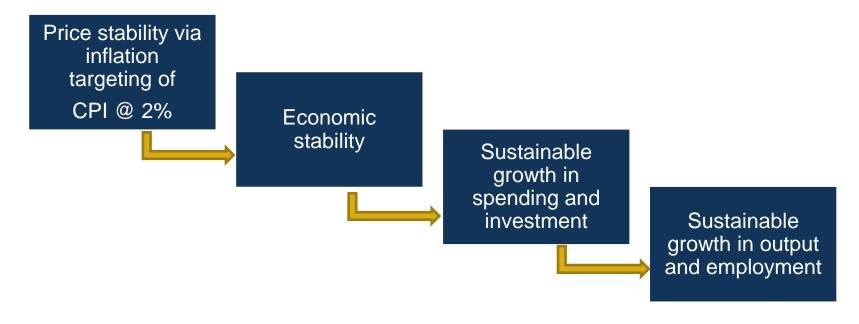


13 November 2017

Mandate is via monetary (price) and financial stability

The remit recognises the role of price stability in achieving economic stability more generally, and in providing the right conditions for sustainable growth in output and employment







- Why a single metric?
- Why 2%?



Consumer price inflation



Consumer price inflation

Necessary **but not sufficient** to achieve sustainable economic growth



Consumer price inflation

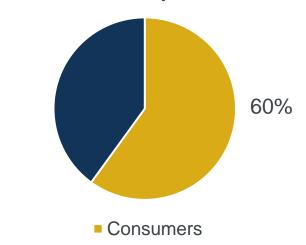
Necessary **but not sufficient** to achieve sustainable economic growth

So what else matters?





GDP is driven by consumers





13 November 2017

Consumer price inflation

Necessary **but not sufficient** to achieve sustainable economic growth

So what else matters for consumers?



Consumer price *inflation* Wage *inflation*?

House price *inflation*?

Rental *inflation*?

Pension *inflation*?



13 November 2017

Why 2%?

The sweet spot – not too high, not too low

- Is 2% relevant now? Is a monetary supply issue?
 - Ageing population
 - Technology
- Behavioural factors why it's <u>still</u> 2%
 - Status quo bias, experts' opinion, fear of regret, anchoring



Is monetary policy a suitable tool?



Setting base rates



Macro-prudential regulation

Quantitative Easing (QE) Open market operations

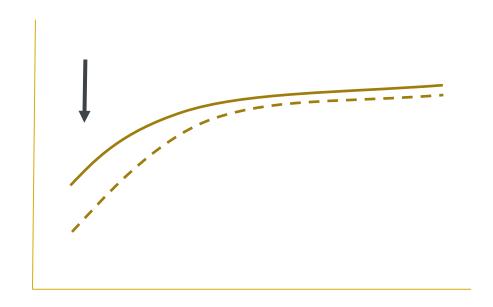


Different tools, same intention

- Monetary policy is about
 - the yield curve i.e. the cost of credit
 - the relative value of risk-free and risky assets

- Lower rates to
 - increase aggregate demand through credit expansion
 - push capital into riskier assets

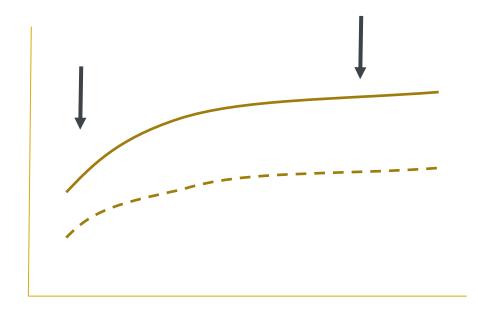




Set the base rate

Longer terms affected through expectation





Set the base rate

Longer terms affected through expectation

Add QE for direct influence



Is monetary policy a suitable tool to *lower* inflation?

Yes

Effective since 1992

Basis for current mandate

Can raise rates to arbitrary level



UK CPI 1989 - 2017





Is monetary policy a suitable tool to <u>raise</u> inflation?

A blunt tool

With costs

And limitations



Limitations of monetary policy

No guarantee cheaper credit is used

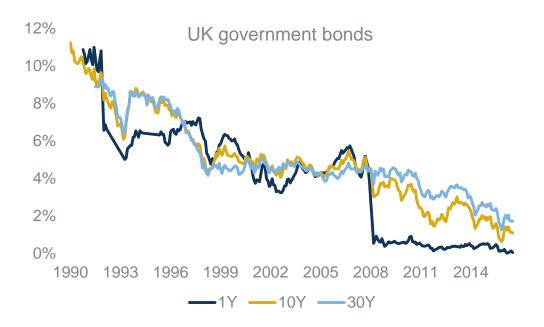
No guarantee it's used for intended purpose

The lower bound and diminishing returns

Postpones the issue, doesn't fix it



A 30-year decline in interest rates





What are the alternatives to monetary policy?



What are the alternatives to monetary policy?

Fiscal policy – tax, investment, spending

Stimulates economy directly

Not credit-driven -> upfront cost -> politically unpopular



What did QE bring us?



Background – March 2009

...the MPC judged at its March meeting that a further monetary loosening was required. In particular, it was concerned that nominal spending in the economy would otherwise be too weak to meet the inflation target in the medium term

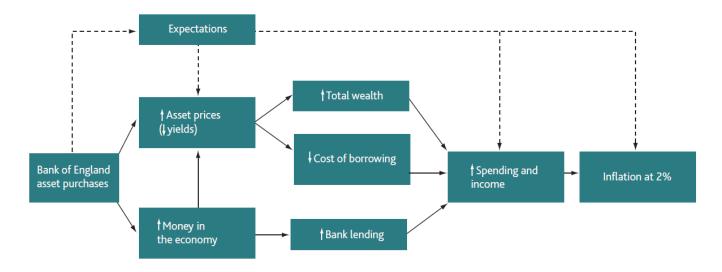


Background – March 2009

The aim of quantitative easing is to inject money into the economy in order to revive nominal spending

It should ultimately lead to an increase in asset prices and spending and therefore bring inflation back to target

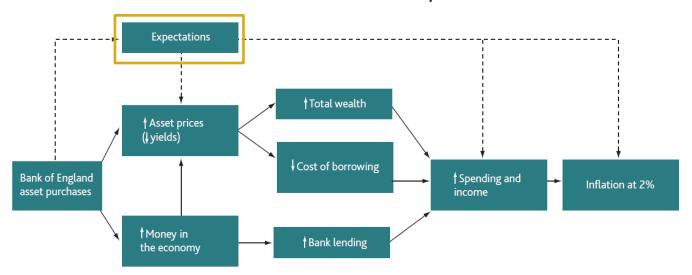






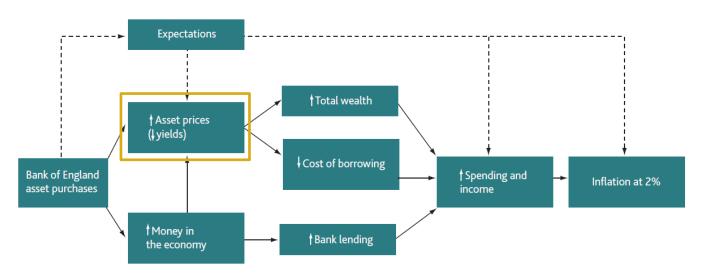
13 November 2017

Asset purchases could have an important impact on expectations



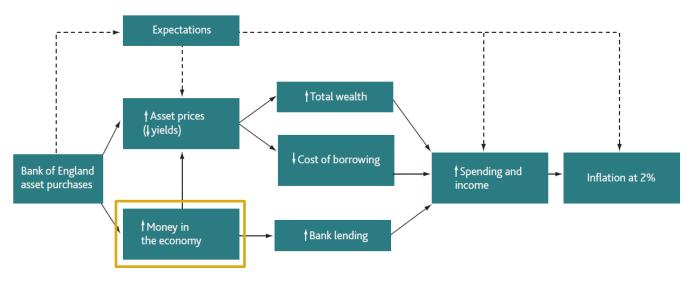


...higher asset prices increase the wealth of asset holders, which should boost their spending





More bank lending to households and companies should help to support higher consumption and investment

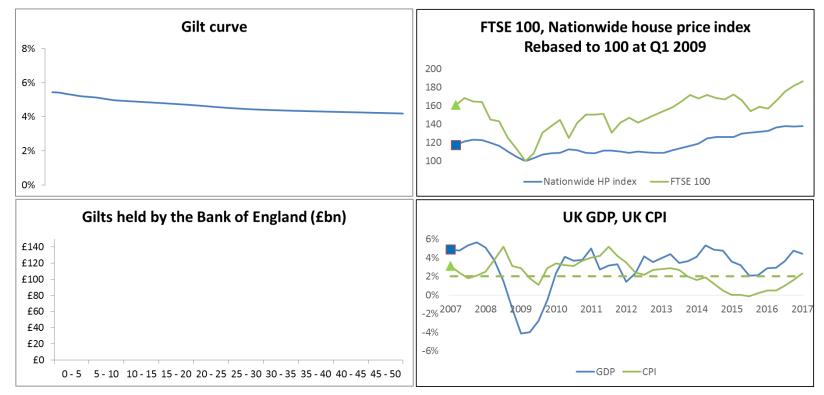




What does QE look like?

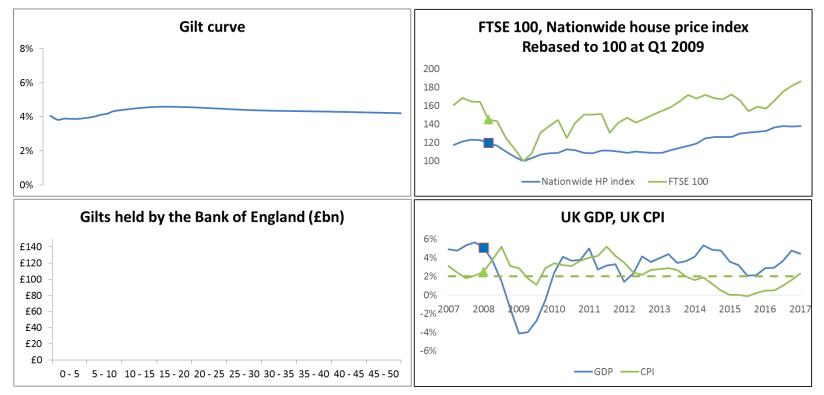
- What's happening to....
 - The gilt curve
 - The amount of bonds purchased
 - Asset prices
 - GDP
 - Inflation





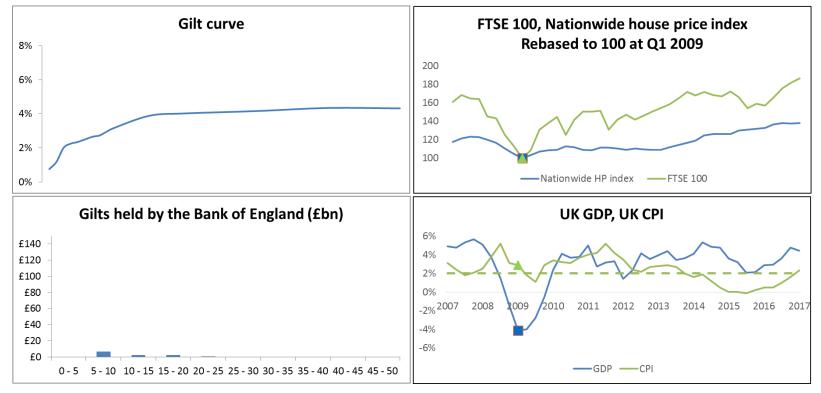
Q1 2007



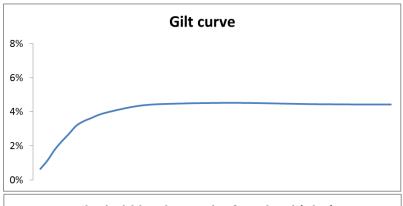


Q1 2008

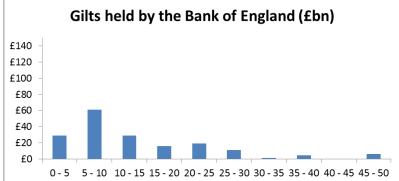


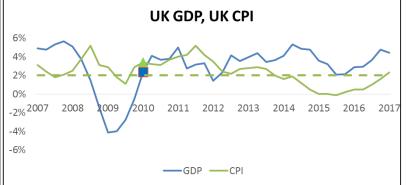




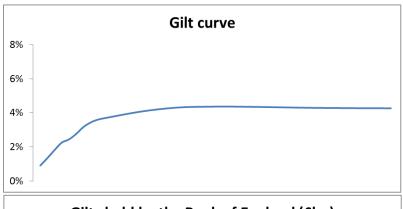




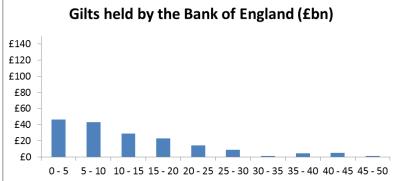


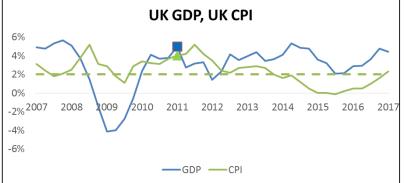




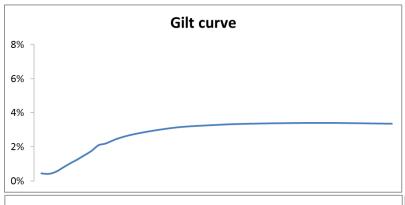




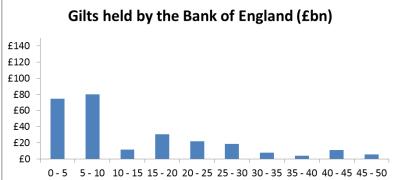


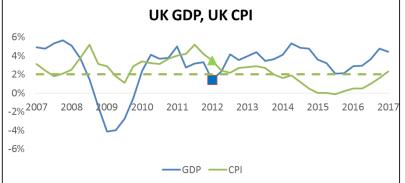




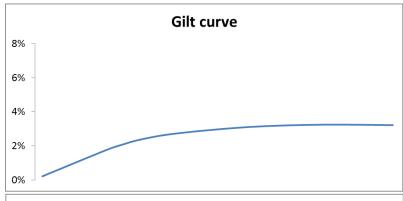




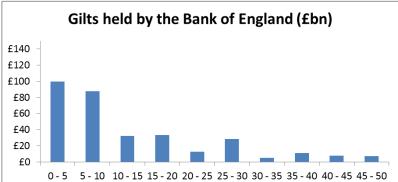


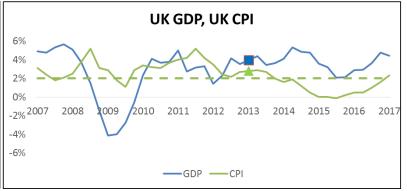




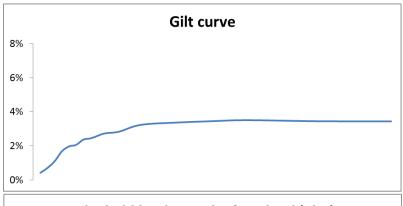




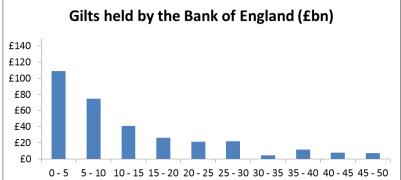


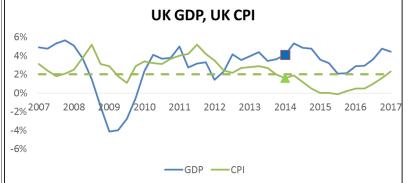




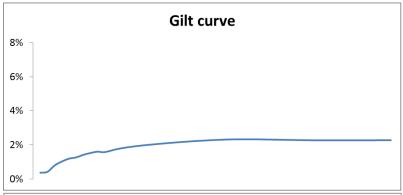


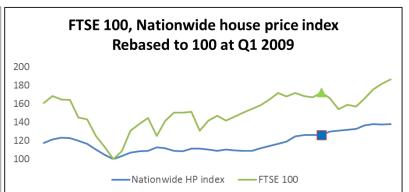


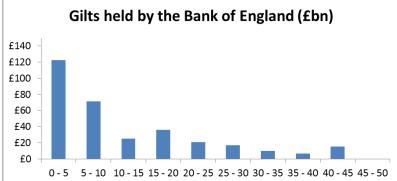


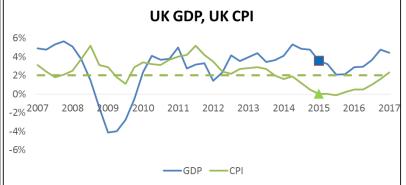




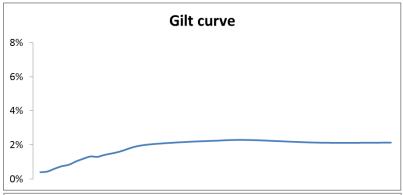


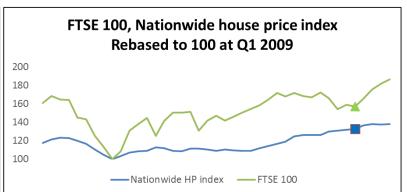


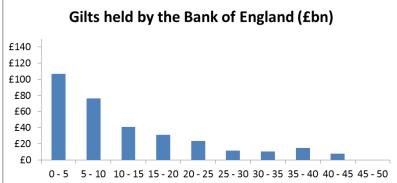


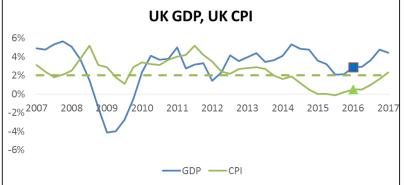




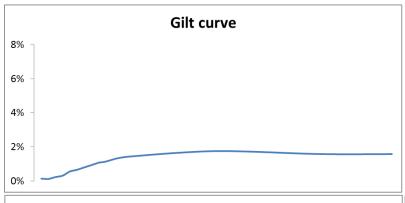


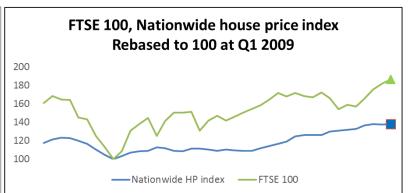


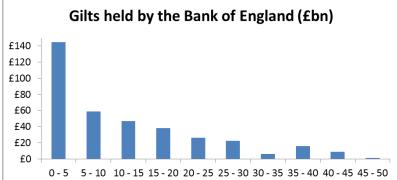


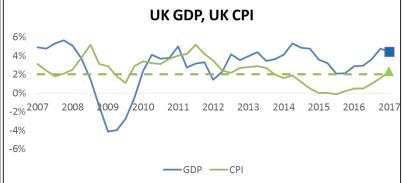










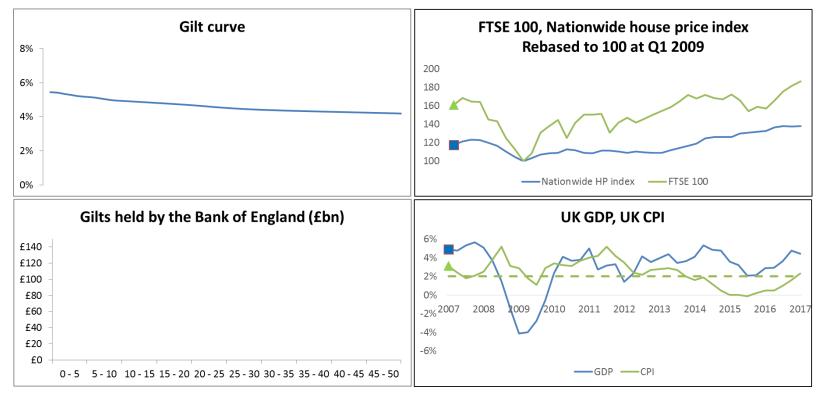




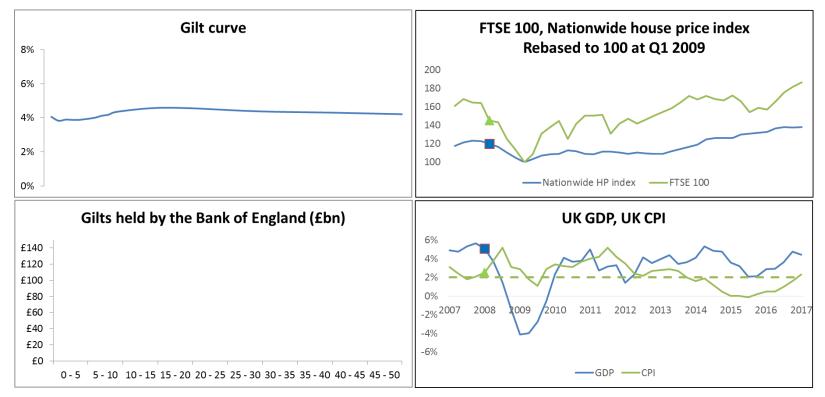
Q1 2009 - Q1 2017

30-year spot rate	4.2% -> 1.7%
FTSE 100	+ 87%
Nationwide Housing Index	+ 38%
Real GDP	3.5%
Average CPI	2.2%

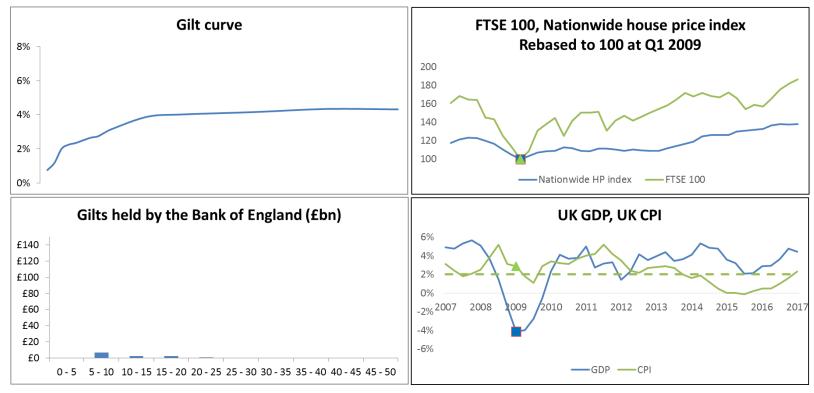




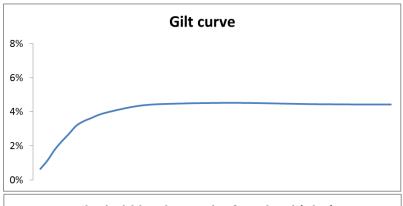




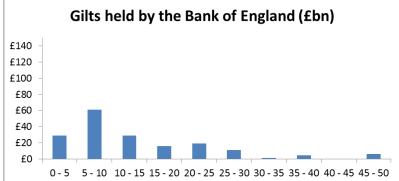


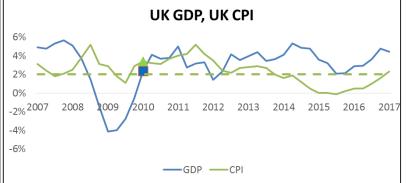




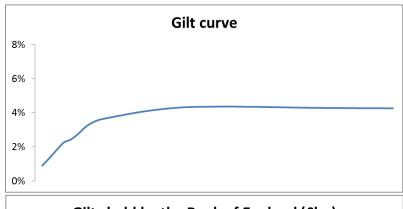




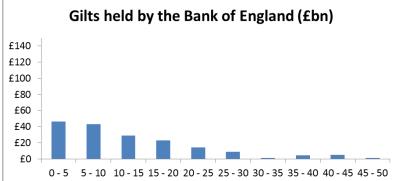


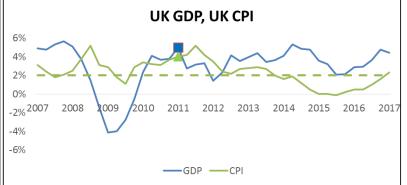




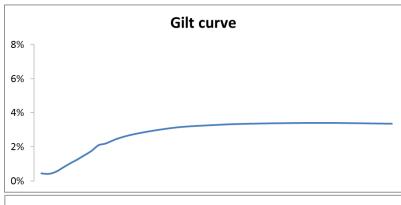




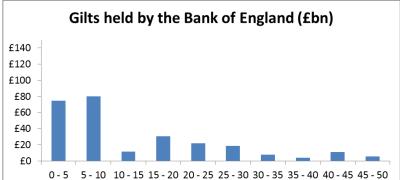


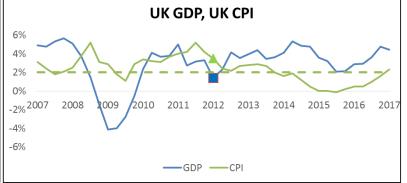




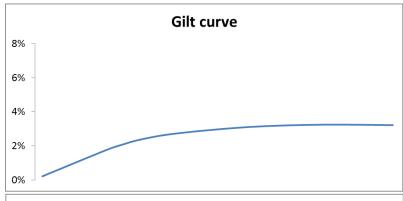




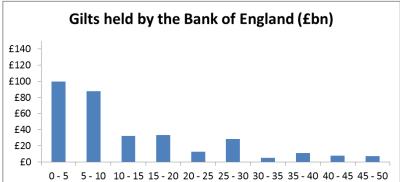


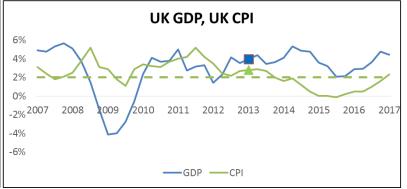




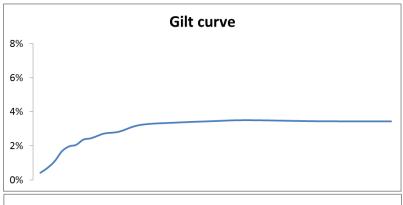




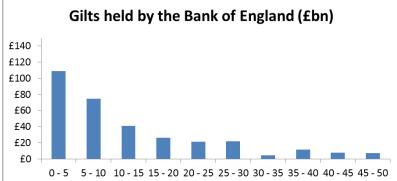


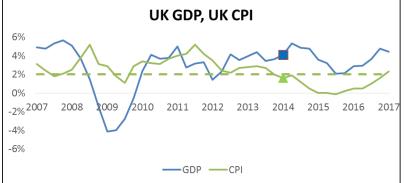




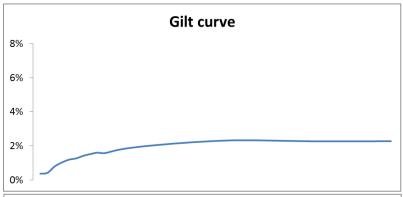


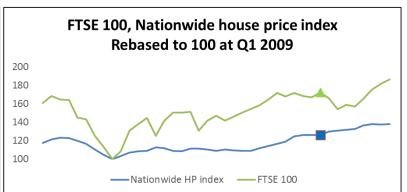


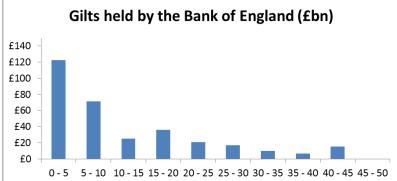


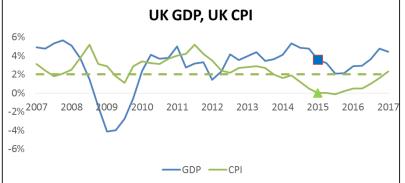




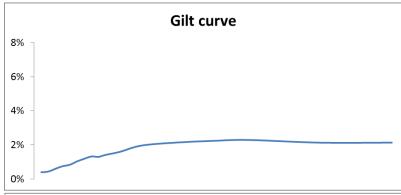




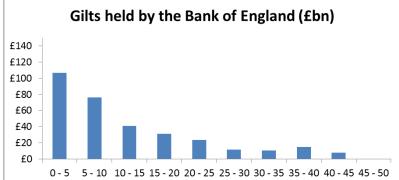


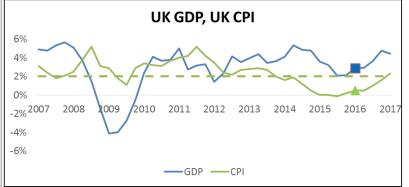




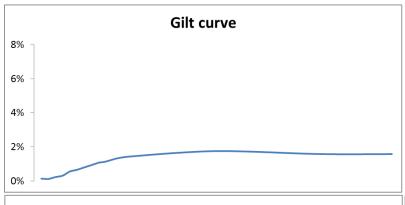


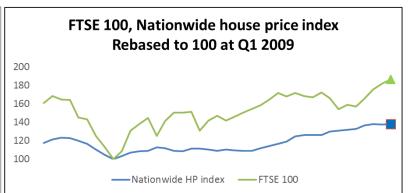


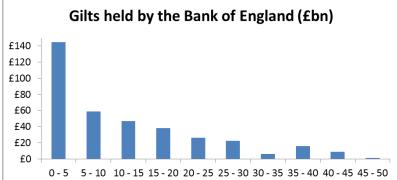


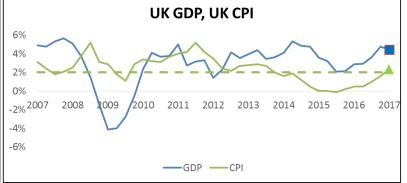














QE did what it promised

It should ultimately lead to an increase in asset prices and spending and therefore bring inflation back to target



QE did what it promised

It should ultimately lead to an increase in asset prices and spending and therefore bring inflation back to target

But what else did it bring us?



Debt



Average UK debt at £8,000 per person (not including the mortgage)

Survey reveals 6m Britons fear never being debt-free with 25% struggling to make ends meet and 62% worried about personal debt levels

Young people are borrowing to cover basic living costs, warns City watchdog

FCA boss raises alarm over growing debt burden of young people in UK as number of insolvent 18- to 34-year-olds in the UK jumps by a third

IMF warns that using consumer debt to fuel growth risks crisis

International organisation joins Bank of England in voicing concern over high levels of household borrowing



- Debt
- Dependency



- Debt
- Dependency
- Market distortion



The (extreme) search for yield

In 2016 Austria sold 2bn Euros of 70-year debt at 1.5%

- Consider the risks:
 - Long term, very high duration
 - Will the Euro exist in 70 years' time?

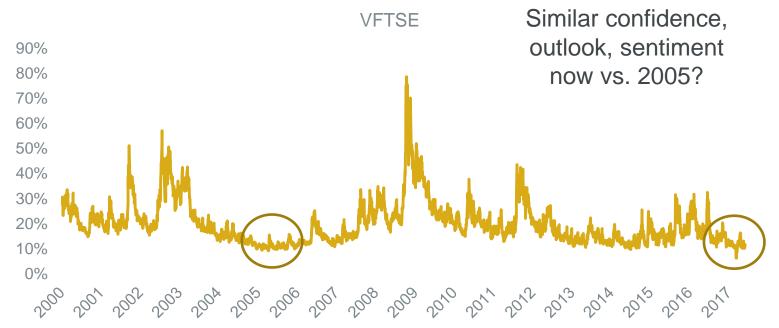
For context, for SII, EIOPA deem the last liquid point for the Euro to be 20 years

The (extreme) search for yield

- In 2016 Austria sold 2bn Euros of 70-year debt at 1.5%
- In 2017 Austria sold 3.5bn Euros of 100-year debt at 2.1%
- Consider the risks:
 - Long term, very high duration
 - Will the Euro exist in 70 years' time?

For context, for SII, EIOPA deem the last liquid point for the Euro to be 20 years

Yet the market is (implied) calm





- Debt
- Dependency
- Market distortion
- Pension deficits



- Debt
- Dependency
- Market distortion
- Pension deficits
- A new predicament

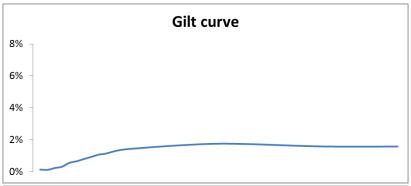


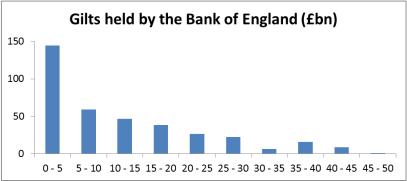
- Debt
- Dependency
- Market distortion
- Pension deficits
- A new predicament
 - Central bank cannot walk away
 - Nor can it stay there forever
 - How does it extract itself?



How will QE unwind?









The options

- Sell bonds, reduce balance sheet
- Let bonds mature, with no repurchase
- Repurchase such that maturity and/or notional reduce over time
- Rollover indefinitely i.e. no unwind



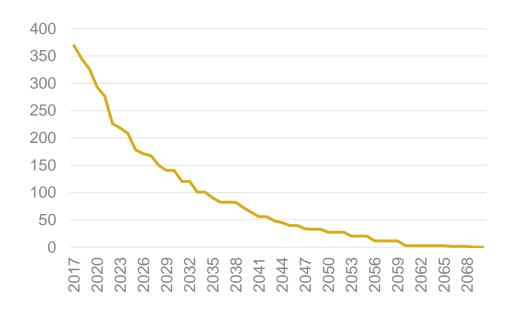
The options

- Sell bonds, reduce balance sheet
- Let bonds mature, with no repurchase
- Repurchase such that maturity and/or notional reduce over time
- Rollover indefinitely i.e. no unwind

+.....when should rates rise?



Balance of gilts if QE left to run off (£bn)





Q1 2009

The MPC will decide on the most appropriate way to withdraw the policy stimulus based on the circumstances prevailing at the time



Q1 2014

We're not going to sell £375 billion of gilts.

That's a hypothetical question, purely hypothetical

Mark Carney to the Treasury Select Committee



Q2 2014

The MPC's preference is to use Bank Rate as the active marginal instrument for monetary policy



• Q4 2015

The MPC expects to maintain the stock of purchased assets at £375 billion until Bank Rate has reached a level from which it can be cut materially



- Q3 2017
- Base rate 0.25% ->0.50%

The Committee also voted unanimously to maintain the stock of UK government bond purchase



Monetary policy and pensions









Andy Halldane

Bank of England chief economist

Next governor?



May 2016

I confess to not being able to make the remotest sense of pensions



August 2016, on the best option for retirement

It ought to be pensions but it's almost certainly property



- Assets matter.....
- Liabilities don't?



Publication	Word count on asset	Word count on <i>liability</i>
Quantitative easing		
Quarterly Bulletin Q2 2009		
The United Kingdom's quantitative easing policy: design, operation and impact		
Quarterly Bulletin Q3 2011		



Publication	Word count on asset	Word count on <i>liability</i>
Quantitative easing	472	
Quarterly Bulletin Q2 2009	173	
The United Kingdom's quantitative easing policy: design, operation and impact	163	
Quarterly Bulletin Q3 2011		



Publication	Word count on asset	Word count on <i>liability</i>
Quantitative easing	173	0
Quarterly Bulletin Q2 2009		
The United Kingdom's quantitative easing policy: design, operation and impact	163	0
Quarterly Bulletin Q3 2011		



- Essentially ignored
- Not part of the mandate

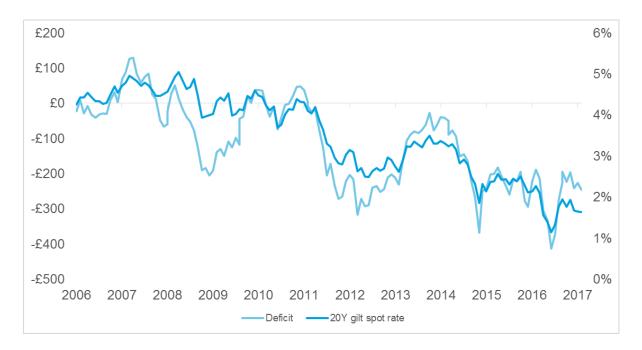






PPF estimate of aggregate DB deficits (£bn)

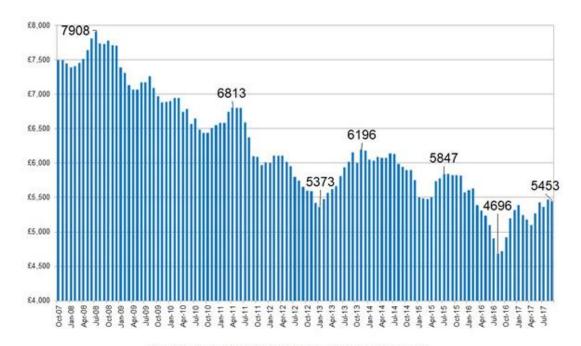




PPF estimate of aggregate DB deficits (£bn)

+ 20Y gilt spot rate





Falling annuity rates

Source: sharingpensions.co.uk

Annuity rates chart for £100,000 fund, aged 65, level and single life



- How sustainable and secure are DB schemes?
- Subject of recent government consultation



- How sustainable and secure are DB schemes?
- Subject of recent government consultation
 - Broadly affordable
 - Some schemes may struggle



- How sustainable and secure are DB schemes?
- Subject of recent government consultation
 - Broadly affordable
 - Some schemes may struggle

Affordable but at what cost?



The impact of pension costs on Bank of England's aims

- An implicit assumption that it <u>doesn't</u> impact Bank's primary aims
 - To promote the good of the people of the United Kingdom
 - (via) sustainable growth in output and employment



The impact of pension costs on Bank of England's aims

Inflation ratchet in DB schemes

The end of secure retirement?

Diverting business investment and wage growth





Question	Answer
Does the current mandate make sense?	
Is monetary policy a suitable tool?	
What did QE bring us?	
How will QE unwind?	



Question	Answer
Does the current mandate make sense?	No – CPI tells you little in isolation And 2% is increasingly arbitrary
Is monetary policy a suitable tool?	
What did QE bring us?	
How will QE unwind?	



Question	Answer
Does the current mandate make sense?	No – CPI tells you little in isolation And 2% is increasingly arbitrary
Is monetary policy a suitable tool?	To lower inflation, yes To raise inflation, it's a blunt tool
What did QE bring us?	
How will QE unwind?	



Question	Answer
Does the current mandate make sense?	No – CPI tells you little in isolation And 2% is increasingly arbitrary
Is monetary policy a suitable tool?	To lower inflation, yes To raise inflation, it's a blunt tool
What did QE bring us?	Exactly what it promised. And more Debt, dependency, distortion, new risks
How will QE unwind?	



Question	Answer
Does the current mandate make sense?	No – CPI tells you little in isolation And 2% is increasingly arbitrary
Is monetary policy a suitable tool?	To lower inflation, yes To raise inflation, it's a blunt tool
What did QE bring us?	Exactly what it promised. And more Debt, dependency, distortion, new risks
How will QE unwind?	Rates then QE (maybe)



Short-termism



Short-termism

Narrow view



Short-termism

Narrow view

Denial that monetary policy has limitations and costs



Short-termism

Narrow view

Denial that monetary policy has limitations and costs

Application of outdated economics



Genuine oversight and accountability



Genuine oversight and accountability

Better alignment of fiscal and monetary policy



Genuine oversight and accountability

Better alignment of fiscal and monetary policy

Wider mandate



Genuine oversight and accountability

Better alignment of fiscal and monetary policy

Wider mandate

Start to unwind QE – intention is key



Long term thinking is vital

Colin Wilson



Questions

Comments

The views expressed in this [publication/presentation] are those of invited contributors and not necessarily those of the IFoA. The IFoA do not endorse any of the views stated, nor any claims or representations made in this [publication/presentation] and accept no responsibility or liability to any person for loss or damage suffered as a consequence of their placing reliance upon any view, claim or representation made in this [publication/presentation].

The information and expressions of opinion contained in this publication are not intended to be a comprehensive study, nor to provide actuarial advice or advice of any nature and should not be treated as a substitute for specific advice concerning individual situations. On no account may any part of this [publication/presentation] be reproduced without the written permission of the IFoA [or authors, in the case of non-IFoA research].

