

Bank of England (+ Add to myFT

Bank of England says £65bn gilt intervention staved off UK financial 'spiral'

Central bank worried pension funds would dump £50bn in government bonds into a chaotic market



The Bank of England feared 'severe disruption of core funding markets and consequent widespread financial instability' @ Maja Smiejkowska/Reuters

Tommy Stubbington in London OCTOBER 6 2022





The Bank of England has defended last week's intervention in the UK government debt market, saying it stepped in to prevent a £50bn fire sale of gilts that would have taken Britain to the brink of a financial crisis.

Pandemic interventions were pervasive

Survey of 39 jurisdictions

- 528 interest rate changes
- 50 adjustments in reserve remunerations rates
- 143 lending support operations
- 101 exchange rate policy actions
- 53 asset purchase operations

Objectives

- Restore flow of credit to firms, households and governments
- Restore functioning of systemically important markets
- Restore functioning of monetary transmission mechanism



Interventions in private markets

- HKMA (1998)
 - Currency board under attack
 - Purchased HK\$118 billion of equities (8% of market cap)
- Bank of Japan (starting 2010)
 - ETFs and J-REITS
 - Currently holds ¥37 Trillion



Central bank purchases of corporate bonds

Central Bank	Program/Facility	Number of Bonds	Number of Issuers	Date	Approx. Value	Private debt market size	
Eurosystem	Corporate Sector Purchase Programme	1,857	407	9 Aug 2022	€344 bn	€9.5 tr	
Federal Reserve	Corporate Credit Facility	1,291	550	31 Dec 2020	US\$14 bn	\$22.8 tr	
Bank of England	Corporate Bond Purchase Scheme	361	146	5 May 2022	£19 bn	£2.5 tr	
Riksbank	Corporate Bond Purchases	327	59	30 Jun 2022	SEK12 bn	SEK5.6 tr	
Bank of Canada	Corporate Bond Purchase Program	79	42	22 Mar 2021	CA\$218 mn	CA\$2.8 tr	
Total		3,915	1,204				

Sources: Board of Governors of the Federal Reserve, European Central Bank, Bank of England, Sveriges Riksbank, and Bank of Canada.

How central banks use their balance sheets

- Aggregate demand management
 Goal is to achieve price stability with full use of productive resources
- Selective credit support
 Steer credit to specific sectors, regions or firms
- Emergency government financing
 Provide funding directly to the government
- Lender of last resort (LOLR)
 Lend to solvent financial entities facing immediate liquidity
- Market maker of last resort (MMLR)
 Address dysfunction in specific financial markets



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Purposes can shift over time

- Fed Treasury purchases
 - March and April 2020 ⇒ stabilization
 - From June 2020 ⇒ AD stimulus
- Bank of England Asset Purchase Facility
 - Jan 2009 MMLR for corporate bonds
 - Almost immediately began purchasing gilts
- Eurosystem PEPP
 - Aggregate demand management
 - MMLR
 - Government finance (?)



Eurosystem

Tool\Facility		Function					Peak
		Credit Support	LOLR	MMLR	Govn't Finance	Maximum Size	Use
Main Refinancing Operations						Unlimited	€337bn
Emergency Liquidity Assistance (ELA)			\			Unlimited	
Long-term Refinancing Operations	\checkmark					Unlimited	
Targeted Longer-term Refinancing Operations (I,II,III)	√	✓	✓			Unlimited	€2,213bn
Pandemic Emergency Longer-Term Refinancing		✓	\			Unlimited	
Outright Monetary Transactions				√	√	Unlimited	€0
Securities Market Programme				✓	✓	Unlimited	€209bn
Covered Bond Purchase Programme 1		✓				€60 bn	€60 bn
Covered Bond Purchase Programme 2		✓				€40 bn	€16 bn
Covered Bond Purchase Programme 3	\checkmark	✓					€298 bn
Corporate Sector Purchase Programme	√	✓				€80 bn	€312bn
Asset-backed Securities Purchase Programme	√	✓		√		per month each	€32bn
Public Sector Purchase Programme	√			✓	✓		€2,108bn
Pandemic Emergency Purchase Programme	√			✓		€1850 bn	€1,718bn
Transmission Protection Instrument				✓	✓	Unlimited	€0
Central Bank Liquidity Swaps			√			Varies, some	62.75
Eurosystem Repo Facility for Central Banks (EUREP)			\			unlimited	€3.7bn

Federal Reserve

	Function					Maximum	Peak
Tool\Facility	AD Mgmt	Credit Support	LOLR	MMLR	Govn't Finance	Size	Use
U.S. Treasury Security Purchases	✓	√		√		Unlimited	+\$3.5tr
Mortgage-backed Securities Purchases	✓	✓		√		Unlimited	+\$1.3tr
Discount Window and Discount Rate			✓			Unlimited	\$50.8bn
Overnight Reverse Repo	✓					Unlimited	\$2.3tr
Standing Repo	√					Unlimited	\$275bn
Term Deposits	✓					Unlimited	\$0
Commercial Paper Funding		✓		√		Unlimited	\$4.2bn
Primary Dealer Credit			√			Unlimited	\$33.4bn
Money Market Mutual Fund Liquidity			√			Unlimited	\$53.2bn
Primary Market Corporate Credit		✓		√		\$850 bn	\$14.1bn
Secondary Market Corporate Credit		✓		√		ווט טכסכ	
Term Asset-Backed Securities Loan		✓		√		\$100 bn	\$4.1 bn
Paycheck Protection Program		✓				\$953 bn	\$88.4 bn
Municipal Liquidity		✓		√		\$500 bn	\$6.4 bn
Main Street Lending Programs		√	√			\$600 bn	\$16.5 bn
Central Bank Liquidity Swaps			√				\$446.1 bn
Foreign & Int Monetary Auth Repo			✓			\$3.6tr	\$1.4 bn

Why central banks intervene in markets

Rationale

Markets malfunction, become illiquid and may disappear

Causes

- Concern over quality of the counterparties
- Concern over quality of securities

Outcomes

- Private-sector market makers withdraw
- Typical market participants vanish

How central banks intervene in markets

- Operational objectives:
 - Ensure market liquidity
 - Ensure funding liquidity
- Options for intervention to catalyze market making:
 - Enhanced lender of last resort:
 Collaterized lending so private agents can purchase and hold securities
 - Market Maker of last resort:
 Directly purchase and hold securities

Enhanced Lender of Last Resort (LOLR)

- Differs from the Traditional LOLR
 - Wider range of acceptable collateral
 - Wider range of counterparties
- Similar to the Traditional LOLR
 - Counterparties regulated and supervised entities to assure solvency
 - Collateral faces haircuts related to quality



Market Maker of Last Resort (MMLR)

- Purchases directly in illiquid systemically important markets
- Price offered are
 - Above the disorderly market price (if there is one)
 - (Well) below the fundamental value of the security (the CB's estimate of what the market price would be in an orderly market)
- Requirements for MMLR
 - Ongoing capacity for pricing securities (CBs do this as part of their collateral frameworks)
 - Mechanism for sterilization (transactions do not change the monetary base)
- Differs from enhanced LOLR
 - No requirement of counterparty solvency
 - Only need confidence that transaction will settle (delivery vs payment)

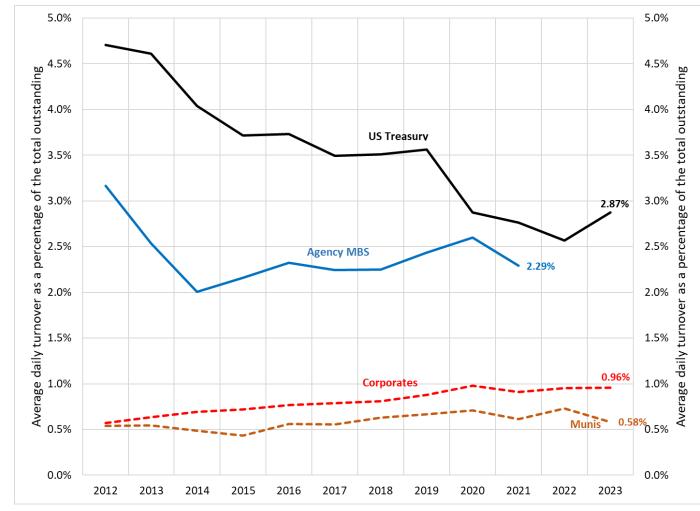


Choosing: LOLR or MMLR?

- Prefer LOLR so private agents determine prices
- May need MMLR if
 - private-sector market makers withdraw
 - typical buy-side participants disappear
 - quality of the security itself comes into question
 - not possible to establish the solvency of potential borrowers
 - complex counterparty arrangements ⇒ difficult to identify who needs funds
 - setting up the appropriate lending facility takes too much time



Most bonds NEVER trade!



US bond market:

Enormous number of distinct issues:

Treasurys: 400+

Agency MBS: 25,000+

Corporates: 14,000+

Municipal Bonds: 1.5 million+

Note:

US Treasury market liquidity ↓

Source: SIFMA



Challenges to central bank intervention

- Which markets qualify? Those that are systemic (need a framework)
- Standing, ad hoc, or dormant facilities? You will always bail them out
- Who can borrow? Solvent, regulated entities, not just banks
- Who can sell? Anyone that can deliver
- How can we mitigate moral hazard? Penalty terms (?)
- How swiftly should unwind? As quickly as you can



Desirable attributes of a framework for market stabilization

- 1. Be transparent and clear about objectives, instruments, and terms
- 2. Support only markets deemed essential
- 3. Create permanent facilities that may be dormant
- 4. Specify counterparties in advance
- 5. Do not act, react; set a price and be a quantity taker
- 6. Offer pricing that is unattractive in normal times
- 7. Only intervene when market and/or funding liquidity is severely impaired
- 8. Credible announcements may reduce scale of required interventions
- 9. Be clear about the roles of overlapping and competing authorities
- 10. Exit quickly



