Discussion of:

Overcoming Borrowing Stigma: The Design of Lending-of-Last-Resort Policies

by Yunzhi Hu and Hanzhe Zhang

Matteo Crosignani New York Fed

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Background

• Wholesale Funding Runs in Summer 2007

- Two Bear Stearns hedge funds declared bankruptcy
- BNP Paribas stopped allowing withdrawals
- \rightarrow Other institutions experience short-term wholesale funding runs (repo and ABCP)
- \rightarrow LOLR needed

Discount Window

- Commercial banks can borrow from the Federal Reserve
- Short-term collateralized loans
- Penalty rate as prescribed by Bagehot

Stigma

- By using the DW, banks reveal that they lost access to the private markets
- Bank level borrowing is confidential, but market participants might figure out
- In Aug07, penalty rate lowered from 100 to 50 bps and maturity extended from o/n to 30 days ... but banks do not borrow; stigma is still there

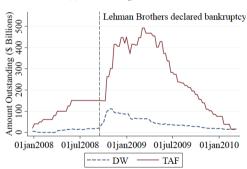
Term Auction Facility

- · Launched in December 2007
- · Participation requirements same to DW
- · First auction: \$20B to 93 banks (bids \$63B)

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Term Auction Facility

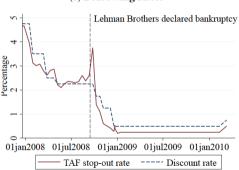
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- Outstanding balance: TAF≫DW



(a) Borrowing Amount

Term Auction Facility

- · Launched in December 2007
- · Participation requirements same to DW
- · First auction: \$20B to 93 banks (bids \$63B)
- Outstanding balance: TAF≫DW
- **Borrowing rate:** DW<TAF at times (especially right after Lehman)



(b) Borrowing Rates

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Why could TAF overcome the stigma and generate more borrowing than DW?

The Authors' Answer

· Setup

- Banks have private information about their financial condition
- Some (weaker) banks have more urgent need for liquidity
- TAF delays its release of liquidity compared with DW
- Stigma depends on financial conditions of participating banks

· Banks self-select in DW and TAF

- Weakest banks cannot wait for liquidity and therefore borrow from DW
- Stronger banks participate in TAF as they hope to get a good rate

· More liquidity provision with TAF + DW Vs. DW only

- Stronger banks that would have gone to DW bid at TAF
- Stronger banks that would have not gone to DW bid at TAF
- $\rightarrow~$ Stigma at TAF is lower, increasing the supply of short-term debt in the economy

Stigma is Unavoidable in the LOLR Framework

· Low-quality banks borrow from the LOLR

- Coordination failure, all banks suffer a run
- Banks differ in their balance sheet strength
- Worse banks need to tap the LOLR
- Loans engineered in a way to have only bad banks tap the LOLR (penalty rate)

· Market participants figure out who borrows

- The Board publishes weekly the DW lending by each of the Federal Reserve District Bank
- A BBC leak about Northern Rock tapping BoE liquidity triggered a run
- This risk seems unavoidable

· Need to pool good and bad banks together

- "Stronger banks, in contrast, are lured to participate in the auction because the potential of borrowing cheap renders the auction more attractive than DW."

- What about Bagehot's prescription about the "penalty rate"?

One Extreme Example: ECB 2011-12 LTROs

• ECB offered a *subsidy* to good banks to borrow

- Run by US MMFs in 2011H2
- Some eurozone banks were struggling (mostly in the periphery)
- ECB offers a 1% 3-year loan against almost any type of collateral

No stigma whatsoever

- All banks borrowed in Italy and Spain
- ! CEO/CFOs self-reported their uptake of ECB liquidity (available on Bloomberg terminal)

· Is there an unavoidable trade-off?

- On the one hand, prevent good banks from borrowing to preserve market discipline
- On the other hand, induce good banks to borrow to reduce stigma
- \Rightarrow The policy goal cannot be to simply "increase liquidity provision" and induce a pooling eqm

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