

# What are we going to talk about

- What is liquidity risk?
- 2. What is BCBS doing about it
- 3. Where can Liquidity Stress Tests (LST) add?





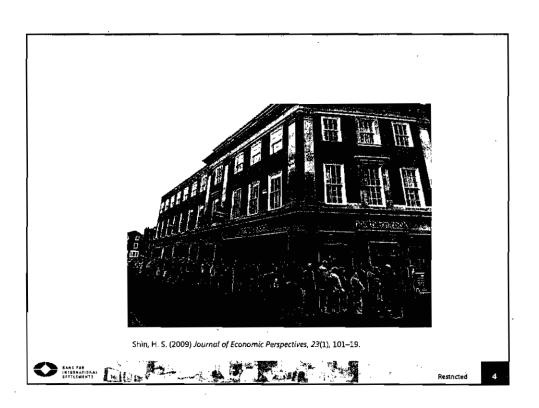
# What is liquidity risk?

- Maturity transformation
- Funding vs Market liquidity
- Difference between **Solvency** and **Liquidity**
- Asymetric information and uncertainty



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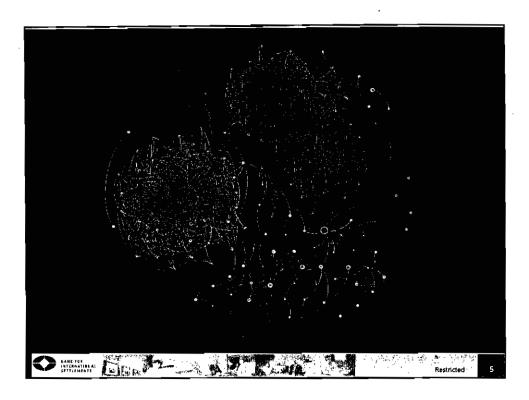
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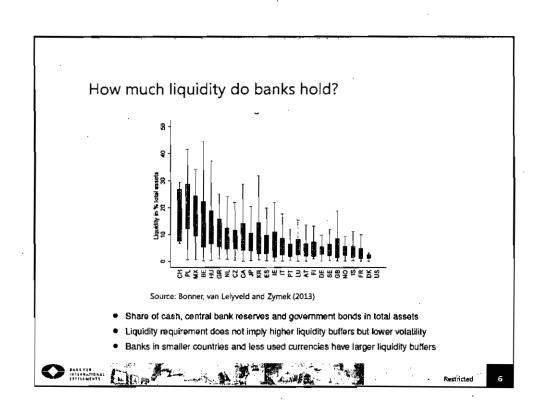


## Financial Stability Institute

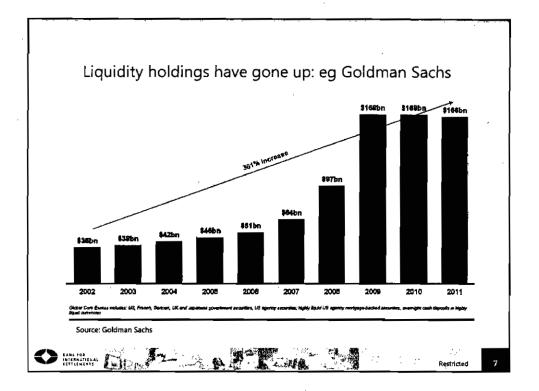


### BANK FOR INTERNATIONAL SETTLEMENTS









## What is the BCBS doing about it

- Revision of Principles for Sound Liquidity Risk Management and Supervision
- Development of two internationally harmonised minimum standards for liquidity and funding:
  - The Liquidity Coverage Ratio (LCR) is a short-term ratio requiring financial institutions to hold enough liquid assets to withstand a 30-day stress scenario
  - The Net Stable Funding Ratio (NSFR) requires institutions to hold a sufficient amount of longer-term stable funding to fund their assets





# The Liquidity Coverage Ratio

- Stock of high quality liquid assets

  Total net cash outflow over 30-day period

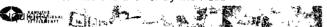
  >=100%
- Scenario's main features:
  - Partial loss of retail deposit and wholesale funding capacities
  - primary and secondary asset markets (incl. repo and securitizations) dry up, except for assets that are assumed liquid under this standard
  - 3-notch downgrade (triggers)
  - Additional collateral or other liquidity needs
  - · Draw on credit and liquidity facilities offered to financial institutions
  - Need for buying back debt to mitigate reputational risk



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# The Liquidity Coverage Ratio

- Implications on the use of the pool and disclosure
  - · Banks are expected to use their HQLA buffer in times of stress
  - · 100% minimum not binding during stress
  - How will disclosure influence banks' decisions?
- Impact and role of central bank operations
  - List of liquid assets not equal across jurisdictions
  - Regulatory arbitrage by using central bank facilities?
- HQLA criteria and outflow assumptions
  - Is the list of liquid assets too narrow?
  - Are outflows on insured retail deposits too high?
- However, many of these issues are country-specific and are therefore difficult to answer by the BCBS





## Not just short term liquidity: Net Stable Funding Ratio

Available amount of stable funding

>=100%

Required amount of stable funding

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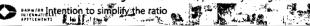
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# The Net Stable Funding Ratio

 $\frac{Available\ Stable\ Funding\ over\ the\ next\ year\ (ASF)}{Required\ Stable\ Funding\ over\ the\ next\ year\ (RSF)} \geq 100\%$ 

- Formally released in December 2010, subject to revision
- Partially caused by BCBS decision of it being a structural ratio
- Designed to disincentivize excessive maturity and/or liquidity transformation and minimize pro-cyclical balance sheet contraction
- ASF: Funding that can be relied upon during the next year
  - Capital, liabilities and preferred equity with maturities > 1 year
  - Stable and less stable deposits as well as some wholesale funding with maturities < 1 year</li>
- RSF: Part of the balance sheet that could not be monetized within 1 year
- Revision
  - Several options are under consideration
  - Could include a factor for total asset encumbrance as well as longer and shorter maturities
  - Due to it becoming a structural ratio, potentially changes to some risk factors





## Myths about the LCR

- "...it will stop banks undertaking maturity transformation, that's what we do!"
- "... it unfairly penalises retail banks, wholesale investment banks caused the crisis!"
- "... it will restrict lending to the real economy."
- "... liquid assets should be those that are eligible at central banks"



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## Where can Liquidity Stress Tests (LST) add?

- BCBS Research Task Force LST group
- Case studies
  - 12 banks and several country studies
- Literature review ⟨wアユト)
- Authorities' modeling efforts
- Industry efforts
  - Firms & vendors
- Other considerations
  - Network effects, Lender-of-last-resort



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# Key findings

- There is value added in LSTs ...
  - horizons, level of consolidation, currency and buffer composition
- ... which can be enhanced with system-wide LST
  - Systemic, second round effects
- Limit the role of central banks to standard monetary policy operations in LST
- Separate treatment of capital and liquidity understates aggregate bank risk
- Set supervisory expectations regarding the integration of LST results into banks' business practices.



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Thank You!

Questions?





#### References

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