Discussion of: Implications of Financial Architecture Change

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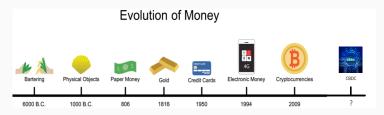
^aThe views expressed are those of the author and do not necessarily reflect the views of the ECB or the Eurosystem

Outline

- 1. Why you should read this paper
- 2. Summary of the paper
- 3. CBDC-policy lessons
- 4. Questions and suggestions

Why you should read this paper

• An ongoing seismic shift in the (international) payment system:



- Will this drastically change the financial architecture, or not?
 - CBDC: digital means of payment or also store of value?
 - Cryptocurrency: decentralized global money or speculative asset?
- This paper provides a sound theoretical framing to consider the economic impact of change:
 - "It is very much in the hands of policy makers"

Summary of the paper

• A general, unifying framework that nests other models (!)

 Three neutrality conditions, when a regime switch leaves the choice set of agents, and thus allocations and prices, unaltered.

 Three applications: retail CBDC, cryptocurrency, and the value of central-bank lender-of-last resort guarantees.

Lessons for CBDC-policy (1/2)

- Question: is it really "in the hands of policy makers"?
- Neutrality in the case of CBDC requires that:
 - the central bank issues CBDC, redeems reserves and lends to banks in the right proportions, at the right rate, with the right collateral requirement.
 - government transfers must adjust to satisfy budget constraints while preserving wealth distribution.
 - Politicians and voters information and understanding is unchanged.

Lessons for CBDC-policy (1/2)

- Question: is it really "in the hands of policy makers"?
- Neutrality in the case of CBDC requires that:
 - the central bank issues CBDC, redeems reserves and lends to banks in the right proportions, at the right rate, with the right collateral requirement → possible in theory
 - **government** transfers must adjust to satisfy budget constraints while preserving wealth distribution \rightarrow **infeasible**
 - Politicians and voters information and understanding is unchanged
 → unavoidable (?)

Lessons for CBDC-policy (2/2)

- An implied central bank policy to limit CBDC-effects is:
 - 1. issue only a small amount of CBDC
 - 2. lend to banks at a favorable rate with soft collateral requirements
- Back-of-the envelope "fiscal costs of neutrality":
 - Suppose approximately 300 million adults in the euro area each withdraw €1500, leading to a €450bn loss of cheap deposit funding.
 - Provide €450bn central bank lending with a rate of DFR-3%. Banks place this money in their reserve accounts.
 - Effective cost of neutrality: 3% * €450bn = €13.5bn per year

My lessons:

- The limited pass through of policy rates matters a lot, also in the CBDC debate.
- 2. I doubt whether long run "wide ranging effects" can be avoided, but certainly not by the central bank alone.

Questions and suggestions

- On the neutrality conditions:
 - Deposit synergies: neutrality requires a CBDC with no additional privacy benefits?
 - International dimension: neutrality requires favorable CB lending to foreign banks (and no exchange rate effects)?
- On the empirical application:
 - Consider to move/adjust third application to be part of the CBDC section?
 - Could you also apply the model to past changes in the financial/payments architecture? i.e. emergence of credit cards vs cryptocurrencies
- Follow-up work?
 - Elaborate on sources of possible Pareto improvement (rather than neutrality vs non-neutrality)
 - Political-economy neutrality conditions.

Conclusion

• Great paper on a super important topic.

 The impact of CBDCs and private currencies depends heavily on policy design and implementation.

I look forward to seeing how it develops and to your follow-up work!