

Exploring the potential of a digital euro

Civil society seminar



Overview

- 1 Definition and main benefits
- 2 Advantages of a digital euro
- 3 External developments around CBDC
- 4 Elements for a viable product
- 5 Complementarity to private initiatives
- 6 Possible types and features of a digital euro
- 7 Public consultation
- 8 Conceptual work and experimentation
- 9 Possible way forward

What do we mean by "digital euro"?

Digital euro would be **central bank money** made available **to citizens and firms** in **digital form** for use in **payments**



Complementing, not substituting, cash and wholesale central bank deposits



Synergies with industry



Digital euro not necessary so far

Main benefits of a digital euro



Supporting digitalisation in the European economy



Response to a declining use of cash as a means of payment



Tackling **sovereignty concerns** related to foreign private digital means of payment in the euro area or possible future foreign CBDC



The Eurosystem needs to be prepared

External developments in 2020

The Federal Reserve System:

- working group on policy aspects of CBDC
- Partnership with the MIT to test various architectures



Eurosystem to react by entering phase of 'active listening' via:

- public consultation
- industry dialogue



- started CBDC live experimentation in 2020
- studies begun back in 2014

80% of central banks are engaging in CBDC work*

Libra suggested to integrate CBDC in their systems**

Private sector increasingly active

CBDC is a solution for citizens to have access to central bank money in a digitalised environment

CBDC versus other forms of money and assets



Liability of central bank

- i. Cash: physical form, to
 - general public
- ii. Central bank deposits:

digital form, limited access



Liability of a private entity

- i. Commercial bank money
- ii. E-money
- iii. Some 'stablecoins' that entail a claim/liability on an identifiable entity



Not a liability

i. Crypto-assets*

> CBDC/ Digital euro: complement to cash and deposits

Necessary elements in a viable product



End-user perspective



Back-end Infrastructure

CBDC

back-

end



Design decisions



Front-end infrastructure



Legal issues



Distribution framework

Digital euro: a complement to private initiatives



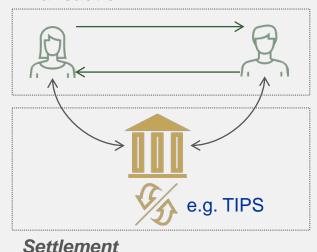
Key arguments to support this view:

- Co-existence of several means of payments is desirable
- Private sector will remain more innovative
- Central banks do not have ambition.
 - to take-up the front-end or
 - to take away deposits from banks' balance sheets.
- CBDC would be offered preferably through supervised service providers

Two types of (possibly co-existing) digital euro

Account-based:

Transaction



Bearer ("token"):

Transaction and settlement



What would the digital euro look like?



The digital euro would:

- look like any other modern payment solution for both point-of-sale and online payments;
- be made available throughout the entire euro area;
- serve the needs of all segments of the population in a non-discriminatory way and curtail financial exclusion for the "unbanked" and for vulnerable groups;
- be particularly mindful of privacy, which may be at odds with the business model of some private providers of payment services;
- be by definition risk-free central bank money
- be free of charge for basic use by payers

Further assessments needed...



Digital euro warrants further assessments & practical experimentations on:

- Implications for key areas: central banking, economic and financial system, citizens
- Design features (privacy, remuneration)
- Technological aspects (decentralisation, offline usage)

Phase of 'active listening'



Public consultation (October 2020-January 2021):

- Citizens' input on desirable designs
 - ... to find out how European citizens would use a digital euro
- Engagement with public authorities and market participants
 - ... to fully understand how to address challenges and comply with needs/expectations of citizens, businesses, intermediaries



EU and international coordination on implications of CBDC

Conceptual work and experimentation



Conceptual work

Continue the analysis of different design options

... whether they comply with the principles and policy objectives of the Eurosystem, and whether they satisfy the needs of prospective users



Practical experimentation

Test the implementation of functional design options

... to explore their technical feasibility



Conceptual work and experimentation is done in parallel to public consultation

Possible launch of a digital euro project



Towards mid-2021 the Eurosystem will consider whether to launch a digital euro project

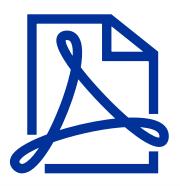
- Start with an investigation phase
- ... to obtain answers to open questions raised in the report
- ... to develop a minimum viable product that would be able to meet Eurosystem requirements and the needs of prospective users



The objective is to ensure that the Eurosystem will be prepared to issue a digital euro if it decides to do so in the future.

Our publication





Eurosystem report



Website digital euro hub