

## The digital euro a work in progress

ECB Civil Society Seminar Series



18/01/2023

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## Agenda

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2	Digital euro use cases
3	Design choices
4	Privacy options
5	Role of intermediaries
6	Ensuring usability of the digital euro – a scheme approach
7	Financial inclusion
8	A digital euro for the future



# Digital euro framework

### What is the digital euro?

"The digital euro is a digital central bank liability for retail payments of citizens and businesses in the entire euro area"



**Complementing**, not substituting, cash and wholesale central bank deposits



Supervised intermediaries (e.g. banks and Payment service providers, PSPs) will facilitate the distribution of a digital euro

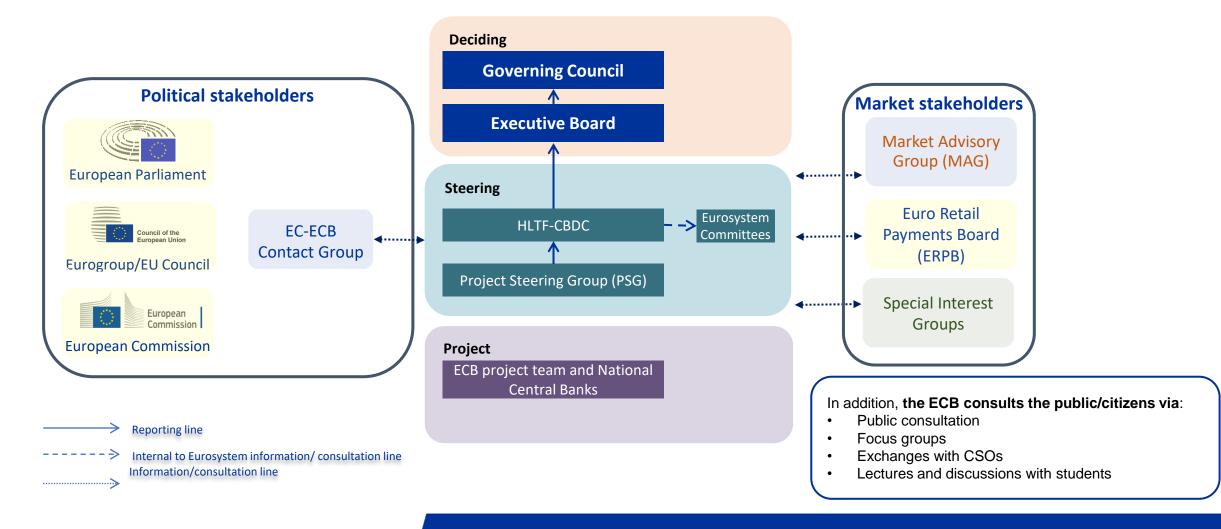


Digital euro as **source of innovation and public good**, shall not crowd out banks nor hinder innovation in payments



## Digital Euro project governance & stakeholder management

Eurosystem governance structure & stakeholders

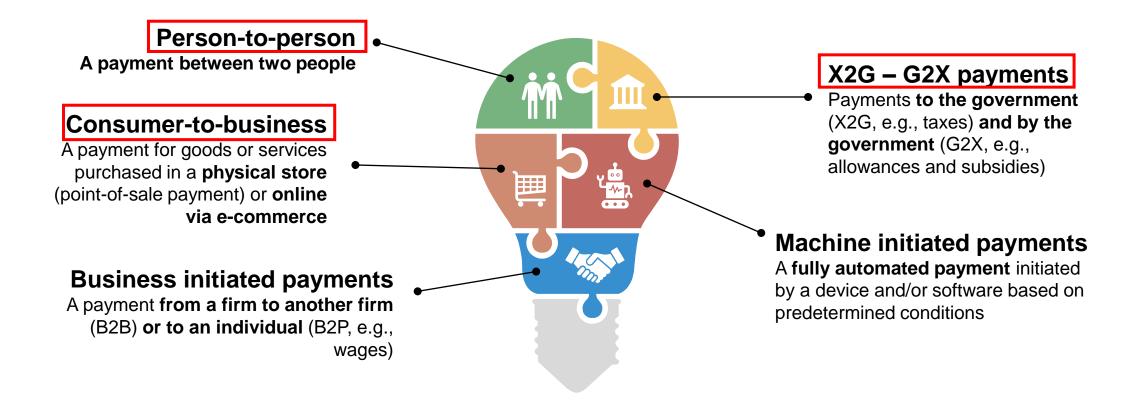




## Digital euro use cases

## **Digital euro use cases**

A digital euro use case describes a common payment scenario:





# Design choices

#### ECB Governing Council approved foundational design choices\* (1/2)

The use cases will rely on design features:

First set of design options (Q3 2022)

Online/offline

Level of privacy

Tools to avoid excessive use

Transfer mechanism

See first progress report.

**Second set** (Q4 2022)

Role of intermediaries

Settlement model

Funding and defunding

Distribution model

See second progress <u>report</u>.

**Third set** (Q1 2023)

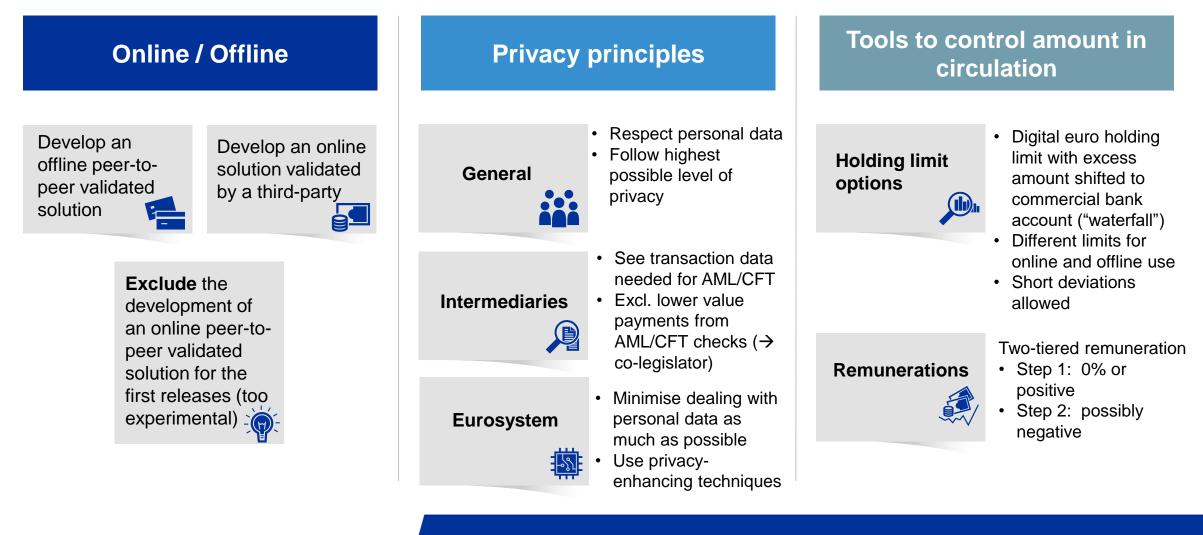
Compensation model

Core and value added services

Advanced functionalities

Delivery approach/form factor

## ECB Governing Council approved foundational design choices\* (2/2)





# Privacy

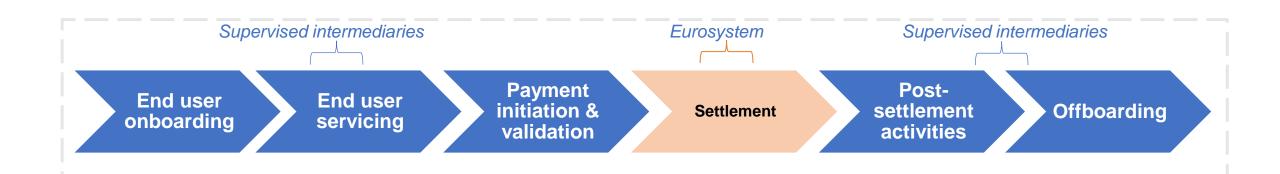
#### **Privacy options**

- Digital euro will ensure privacy by default and by design, giving people control over their personal data and money.
- Central bank will not have access to personal data (can't see people's holdings, transaction histories or payment patterns) but intermediaries in order to comply with regulatory requirements will have access to personal and transaction data. There will be a trade-off between privacy and some important public policy objectives such as AML, CFT or even tax evasion.
- Offline digital euro could provide a degree of privacy close to cash. Offline will potentially cater for the highest level of privacy (this relies on political decision). A risk-based approach could also allow for more privacy in the case of less risky / low value transactions.
- **Digital euro design** will comply with the conditions ultimately set for privacy by legislators.
- It remains important to notice that digital euro won't be programmable money (different from programable payments).



# Role of intermediaries

#### Role of intermediaries in the digital euro ecosystem





Supervised intermediaries will play a key role in distributing the digital euro:

- Registering and managing digital euro end users, incl. opening digital euro account/wallets for end users.
- Funding and defunding of user's digital euro holdings, for both natural persons using digital euro as means of payment and business users accepting digital euro payments.
- Initiating, processing and managing of digital euro transactions, taking control of the transaction life cycle including fraud prevention.



# Ensuring usability of the digital euro – a scheme approach

#### **Ensuring usability of the digital euro – a scheme approach**

The Eurosystem pursues a **payment scheme approach** to distribute digital euro

- Scheme would define a set of common rules, standards and procedures which would ensure pan euro area reach.
- Promote a **harmonised** end-user payment experience.

- Provides the **flexibility** to respond to user preferences and habits.
- Allows for the most degrees of freedom for the market to distribute the digital euro and develop innovative front-end solutions.



Scheme rulebook manager appointed on 1<sup>st</sup> December

Set-up of a group of public- and private-sector participants to draft a scheme rulebook to commence soon



## **Financial inclusion**

#### **Facilitating financial inclusion**

#### A digital euro ...

- can improve access to digital financial services (because of digitized value chains), ...
- ... ensuring that everyone in the euro area can pay and get paid with digital euro,
- can enhance the efficiency of digital payments and offer low transaction costs,
- can be used offline when there is no internet coverage,
- can facilitate the **enrolment and education** (via simplified due diligence and electronic know your customer), and
- foster interoperability (both domestically and cross-border) and facilitate a homogeneous end-user experience.





# A digital euro for the future

#### The digital euro – a work in progress



- People's payment behaviour is changing, and we continue to see a downwards trend in cash usage in the euro area. A digital euro would then enhance digital progress and integration in Europe.
- Since the introduction of the euro, the ECB has been responsible for preserving citizens' trust in our currency.
- A digital euro would be accessible to all and offer people greater choice in how they pay.