

# **Exhibitor Session**

**European Central Bank** 



Tokenised central bank money settled on DLT Dimitri Pattyn and Holger Neuhaus

## Why committing to DLT settlement plans?

### In line with its mandate, the Eurosystem is:



Preserving the pivotal role of central bank money in the financial system as safest settlement asset



Supporting the safe development of the ecosystem, with new market needs and market innovation



Maintaining the relevance of the Eurosystem in the emerging technological financial market landscape



Reinforcing the progression towards a digital Capital Markets Union (CMU) and Savings and Investments Union (SIU) in Europe

## Eurosystem exploratory work – our achievements



Largest initiative of such kind among central banks and successful public-private partnership

64 stakeholders (central banks, commercial banks, CSDs<sup>(1)</sup>, DLT Pilot Regime applicants) from 9 countries



Unprecedented number of 50+ experiments and trials<sup>(2)</sup> with wide range of payments, securities use cases covering full value chain beyond settlement

See "Comprehensive overview of trials and experiments"



High-level bond issuances
More than 200 real
transactions, €1.6 bn settled
in six months

Engagement: 12 meetings of NTW\*-Contact Group and > 40 bilateral/multi-lateral market stakeholder meetings, each use case presented

\*New Technologies for Wholesale settlement

## Turning findings into action: dual-track strategy



Exploratory work confirmed market demand and interest for DLT, with an active ecosystem evidenced in Europe



The **absence** of provision of central bank money is viewed as **major impediment** to the growth of the DLT ecosystem



Market participants expressed a preference for having a single Eurosystem offering within a short time frame





Appia





DLT represents an opportunity to redesign processes and practices, including the distribution of roles, across the entire value chain



A move to DLT has the potential to address shortcomings in today's ecosystem



The active investigation and adoption of DLT is accelerating worldwide

## Pontes (pilot) phase – scope



#### Single and timely Eurosystem offering

One offering combining the features of the interoperability solutions used during <u>exploratory work</u>



#### **Use of DLT for connecting with market DLTs**

Settlement of cash tokens on the Eurosystem DLT platform (or in the RTGS<sup>(1)</sup> component of T2<sup>(2)</sup>)



#### Reliable interoperability mechanism

Delivery-versus-Payment (DvP) based on Hash-Link protocol<sup>(3)</sup>



#### Settlement finality in T2 RTGS, later through cash token

Final central bank money settlement for the cash leg achieved once the corresponding settlement in T2 is completed

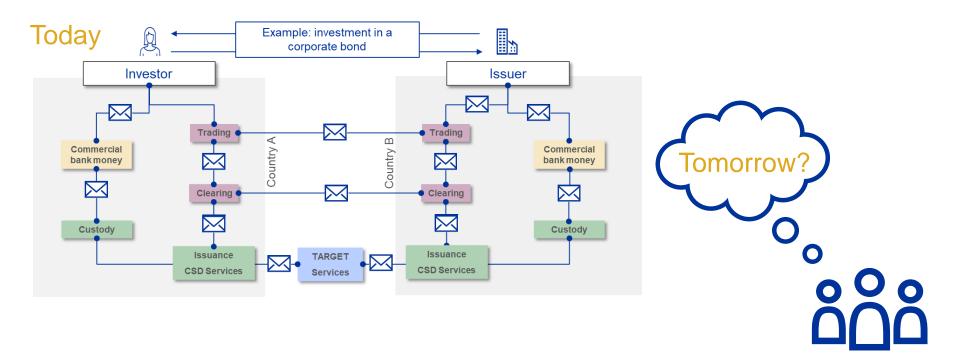


#### DvP use cases and wholesale payments

e.g. DvP for primary and secondary market operations of eligible assets available on eligible market DLT platforms

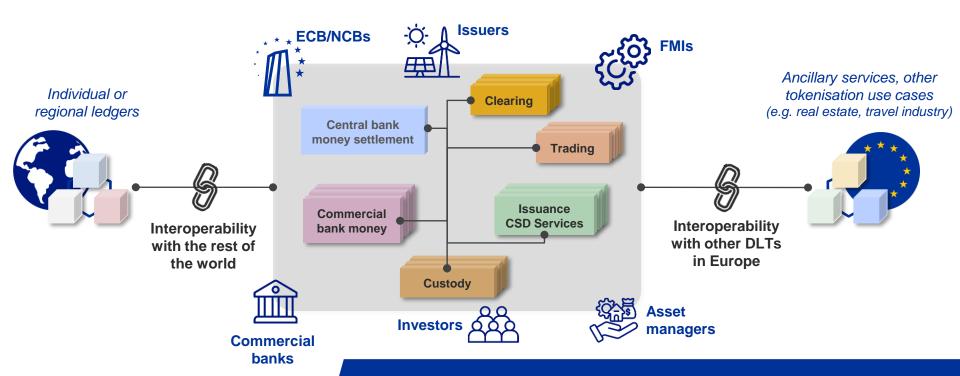
<sup>(1)</sup>Real-time gross settlement system
(2) Part of the TARGET Services (3)Interoperability component tested during the exploratory work

## Can DLT help simplify processes?

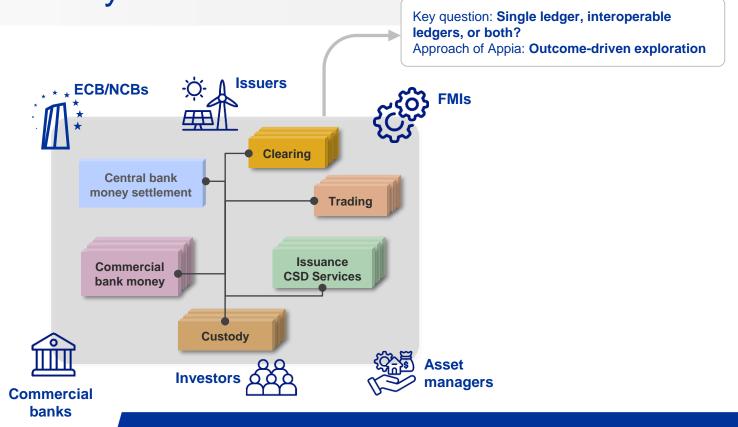


## Appia's vision – seamless app integration?





Appia a road to a shared ledger or full interoperability?







See speech by Piero Cipollone "Towards a digital capital markets union" (Oct. 2024)



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