

Update on the Eurosystem exploratory work on new technologies for central bank money settlement of wholesale financial transactions

Joint AMI-Pay and SeCo

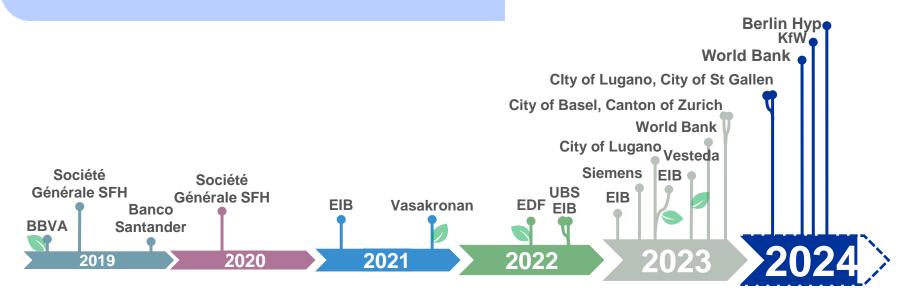


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# **DLT Securities Market Activity in Europe**

High profile digital bond issuances – real transactions

DLT initiatives accelerating in Europe





# **DLT Securities Market Activity in Europe**

High profile digital bond issuances – real transactions

**EIB** 

2021

- > DLT initiatives accelerating in Europe
- Momentum generated by Eurosystem exploratory work

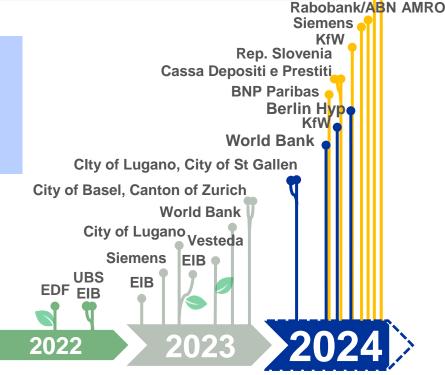
Société

Générale SFH

2020

**Banco** 

Santander





2019

Société

Générale SFH

**BBVA** 

Vasakronan

EIB

# Eurosystem objectives



Continued use of EUR central bank money (CeBM) as settlement asset on wholesale markets and as anchor of a two-tier monetary system



Promoting strong, stable and integrated European payments and capital markets

Fostering digital CMU (see 7 March GovC statement and 7 Oct PC speech)



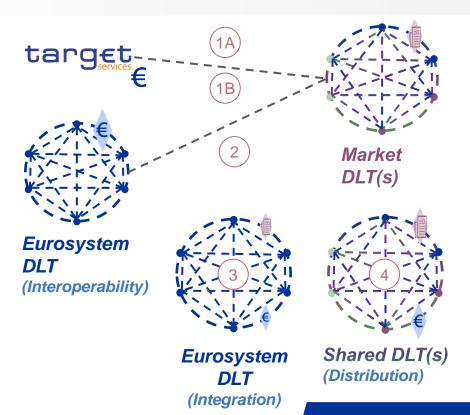
Safeguarding open strategic autonomy and promoting international role of the Euro



Supporting industry innovation in Europe in line with sustainability goals

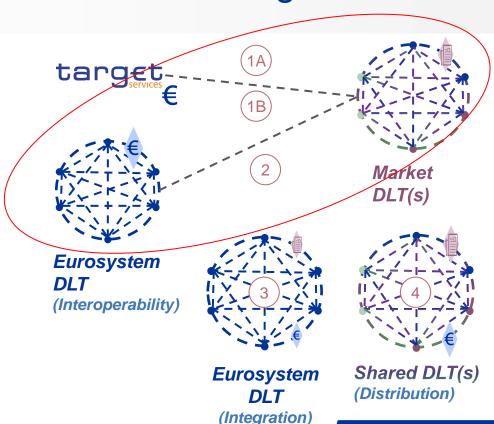
Contributing to the financing of the EU green and digital transition

### CeBM cash leg for settlement of transactions on DLT



- 1. CeBM settlement in current TARGET Services through adding a (A) *Trigger component to T2* or (B) *Bridge component to TIPS-like platform*
- 2. CeBM settlement on Eurosystem DLT interoperable with market DLTs (Interoperability)
- 3. CeBM and securities settlement on own Eurosystem DLT ('T2S DLT') (Integration)
- 4. CeBM and securities settlement on DLTs shared between Eurosystem and other stakeholders (Distribution)

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### Eurosystem exploratory work - scope

### Eurosystem ongoing 6 month exploratory work:

- (1A) Trigger Solution by Deutsche Bundesbank (link)
- 1B TIPS Hash Link by Banca d'Italia (<u>link</u>)
- (2) Full-DLT Interoperability by Banque de France (link)



**Experiments**: mock settlement

**Trials:** actual settlement in central bank money of transactions only for securities

N.B. Exploratory work does <u>not</u> constitute a commitment by the Eurosystem to provide any steady-state solution(s) in the future or to make any changes to its current infrastructure.

# Participation in waves

### 13 May 2024

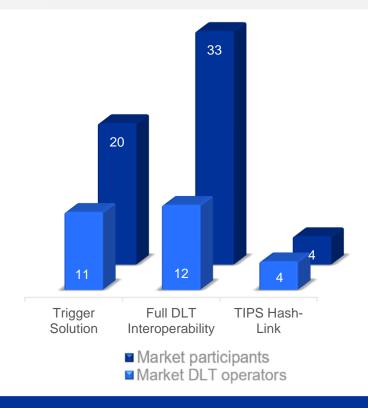


**29 November 2024** 

<sup>\*</sup> including market participants, market DLT operators

# Participation types





<sup>\*</sup> market stakeholder can participate with both the roles of market participant and market DLT operator

# Broad range of use cases explored



#### **Securities**

- Primary issuance of bonds by financials, corporates and a sovereign, and settlement with DvP, full lifecycle
- Primary issuance of commercial paper
- Secondary market transactions
  - Intraday repurchase agreements
- Overnight repurchase agreements of issued securities
- Coupon payment and redemption of tokenised securities

### Payments (international / domestic)

- Margin calls managed by smart contracts
  Automated wholesale payments (intrabank settlement)
- Interbank deposit token transfers with related settlement in central bank money
- Settlement of payments related to interest rate swaps via smart contracts
- Interbank reconciliation of bilateral accounts with settlement of outstanding balances in central bank money
- Cross-currency PvP transactions with another central bank

# Success of Eurosystem exploratory work

### **Facts and figures**

- ➤ 40+ exp. and trials
- 60 market stakeholders from9 jurisdictions
- Globally leading DLT Central Bank Money initiative
- Entire value chain participating
- Incumbents and new entrants



Eurosystem trials and experiments

### **Preliminary learnings**

- DLT opportunities to increase efficiency and reduce costs
  - Scope of DLT beyond capabilities of current settlement Financial Market Infrastructures (entire value chain)
  - Successful public-private partnership
- Market demand for Eurosystem to continue with clear roadmap

# Eurosystem's exploratory work – timeline

December
Public call for interest

Open to all market participants subject to eligibility and prioritisation

**Public info session** 

General information and demos of the solutions

May
Start of exploratory work –

1st wave

Market participants and market DLT operators that have concluded the onboarding process by April start trials and experiments

Additional onboarding window (2<sup>nd</sup> wave)

November end of exploratory work for both waves

Next steps?

Onboarding and testing (1st wave)

Trials and experiments execution phase



Q1 2024

Q2 2024

Q3 2024

Q4 2024

December to April
Onboarding for wave 1

Eurosystem internal testing and testing activities with market participants and market DLT operators Deadlines to reply to the call for interest

End January (1st wave) and end April (2nd wave)

July
Start of exploratory
work – 2<sup>nd</sup> wave

### And now?

Evaluation of the lessons learned...

...and conclude on next steps.



### **Further information**

### For more information, please visit the ECB's exploratory work webpage

### **Latest publications of the ECB:**

Towards a digital capital markets union: Keynote speech by Piero Cipollone

Economic Bulletin article: Central bank money settlement of wholesale transactions in the face of technological innovation

Payments news: Eurosystem's exploratory work on DLT platforms progressing

### **Contact points:**

> Eurosystem Team: <a href="mailto:ntwCeBM@ecb.europa.eu">ntwCeBM@ecb.europa.eu</a>

Solution providing central banks:

- > Deutsche Bundesbank for the Trigger Solution: triggersolution@bundesbank.de
- > Banca d'Italia for the TIPS Hash-Link: target.services@bancaditalia.it
- ➤ Banque de France for the Full-DLT Interoperability: monnaie-innovation@banque-france.fr