



EUROPEAN CENTRAL BANK

EUROSYSTEM

Findings from the exploratory work



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Going beyond desktop research: Eurosystem exploratory work

Practical work with **market stakeholders** running from **May to November 2024**
focusing on **interoperability solutions**

Use cases implemented as:



Experiments: mock settlement of the cash and asset legs in test environments



Trials: actual settlement of transactions in central bank money in a limited setting for a limited period of time

Using three solutions ([description here](#)):



Trigger Solution by Deutsche Bundesbank ([link](#))



TIPS Hash-Link by Banca d'Italia ([link](#))



Full DLT Interoperability by Banque de France ([link](#))

Eurosystem exploratory work – in a nutshell



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

64 stakeholders (central banks, commercial banks, CSDs, DLT Pilot Regime applicants) from **9 countries**



Unprecedented number of 50+ experiments and trials with wide range of payments, securities **use cases covering full value chain beyond settlement**

See **Annex II** “Comprehensive overview of trials and experiments”

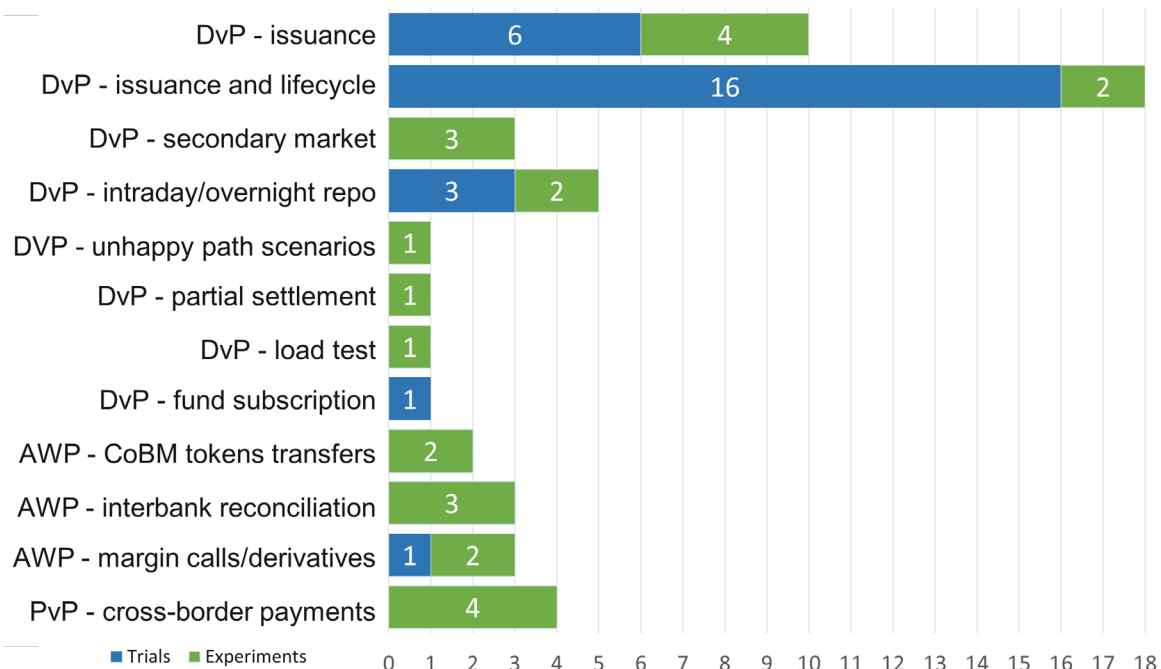


High-level bond issuances
More than **200 real transactions**, **€1.6 bn** settled

11 meetings of **NTW*-Contact Group** and > 40 bilateral/multi-lateral meetings with market stakeholders

**New Technologies for Wholesale settlement*

Overview of exploratory work use cases



Notes: AWP stands for automated wholesale payments, CoBM for Commercial Bank Money, DvP for Delivery versus Payment, PvP for Payment versus Payment.

Thanks to the **contribution of all involved stakeholders**, a [comprehensive overview of the trials and experiments](#) conducted was published as part of the report on the Eurosystem's exploratory work

Turning findings into action: Pontes

Findings



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



The **absence** of provision of CeBM 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**



Pontes



Defining the response to the long-term: Appia

Findings



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**



Appia



Find more information on the Eurosystem's exploratory work on the ECB's website

Report and annexes

- 🔗 [Report “Bridging innovation and stability”](#)
- 🔗 [Annex I “Eurosystem-developed interoperability-based solutions”](#)
- 🔗 [Annex II “Comprehensive overview of trials and experiments”](#)

ECB's website and press release

- 🔗 [Exploratory work on new technologies for wholesale central bank money settlement](#)
- 🔗 [ECB commits to distributed ledger technology settlement plans with dual-track strategy](#)

Speeches

- 🔗 [Towards a digital capital markets union](#)
- 🔗 [Harnessing the digital future of payments: Europe's path to sovereignty and innovation](#)