



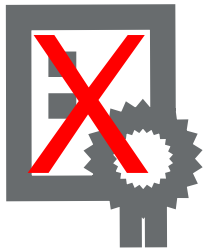
D7 Digitising Financial Instruments

#DigitisingFinancialInstruments

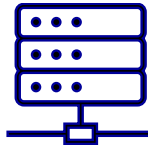
May 2022

Dematerialization and digitization of financial instruments are key enablers to build the digital market infrastructure of the future (D7)

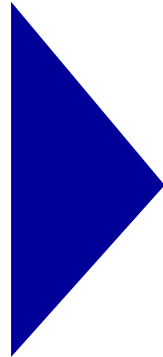
Digital Register (e.g. eWpG):



Physical Paper

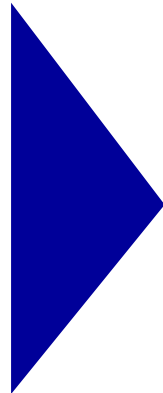
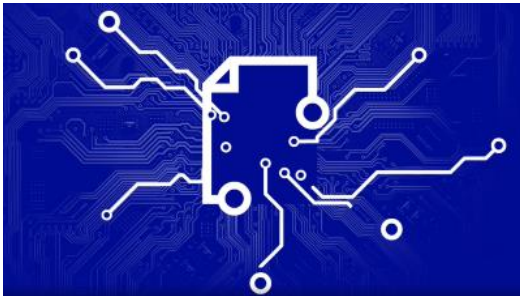


Data Object



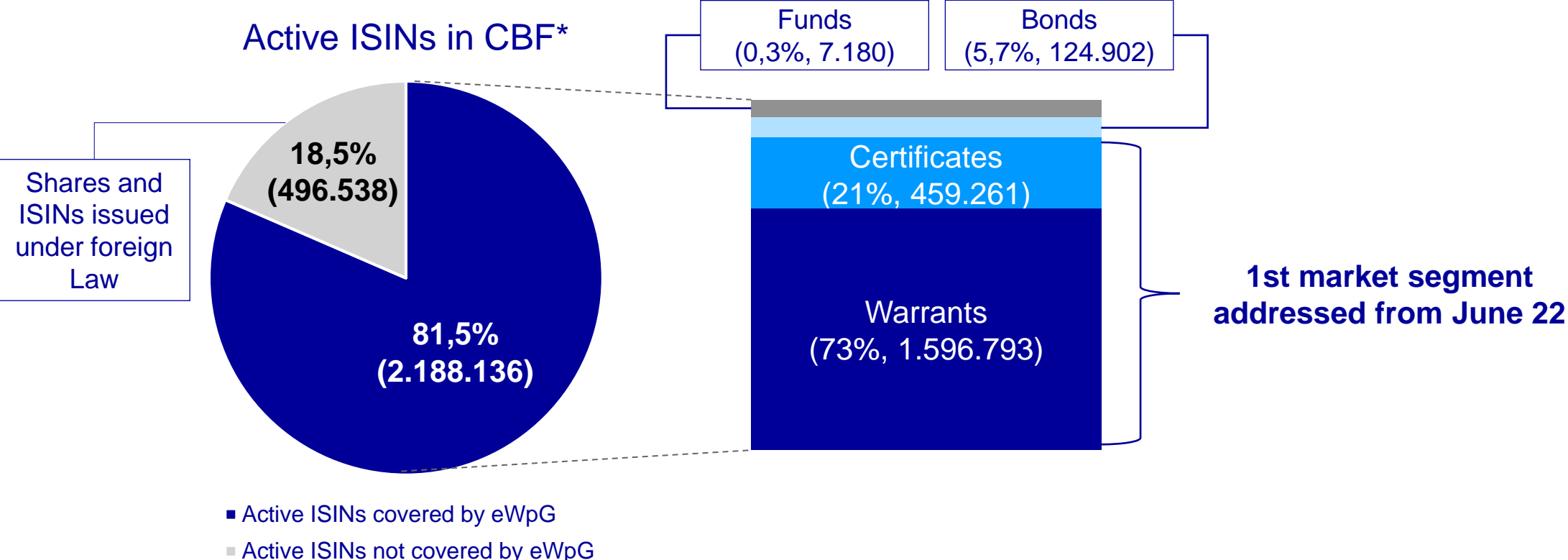
- Registration of **DEMATERIALIZED SECURITY** in a **CENTRAL REGISTER**
- Filing of final terms in a **PUBLIC NODE**
- Regular reporting of register content to the supervisory authority
- Provide issuing/paying agents **ACCESS TO THEIR DATA REGISTER**
- **DEMATERIALIZED ISSUANCE** in addition to physical issuance

Smart Digital Instrument:



- Data, interpretation & logic are **FULLY REPRESENTED DIGITALLY** in a digital instrument (DI)
- DI contains all events, actions, rules and parties for the **ENTIRE LIFECYCLE**
- DI is **EXECUTABLE ON VARIOUS PLATFORMS** of market participants
- DI acts as a **GOLDEN SOURCE**
- Integrated **LEGAL DOCUMENTS** (i.e. Final Terms & Term Sheet)

eWpG scope creates opportunities to digitize >80% of ISINs in CBF - 1st market segment addresses structured products



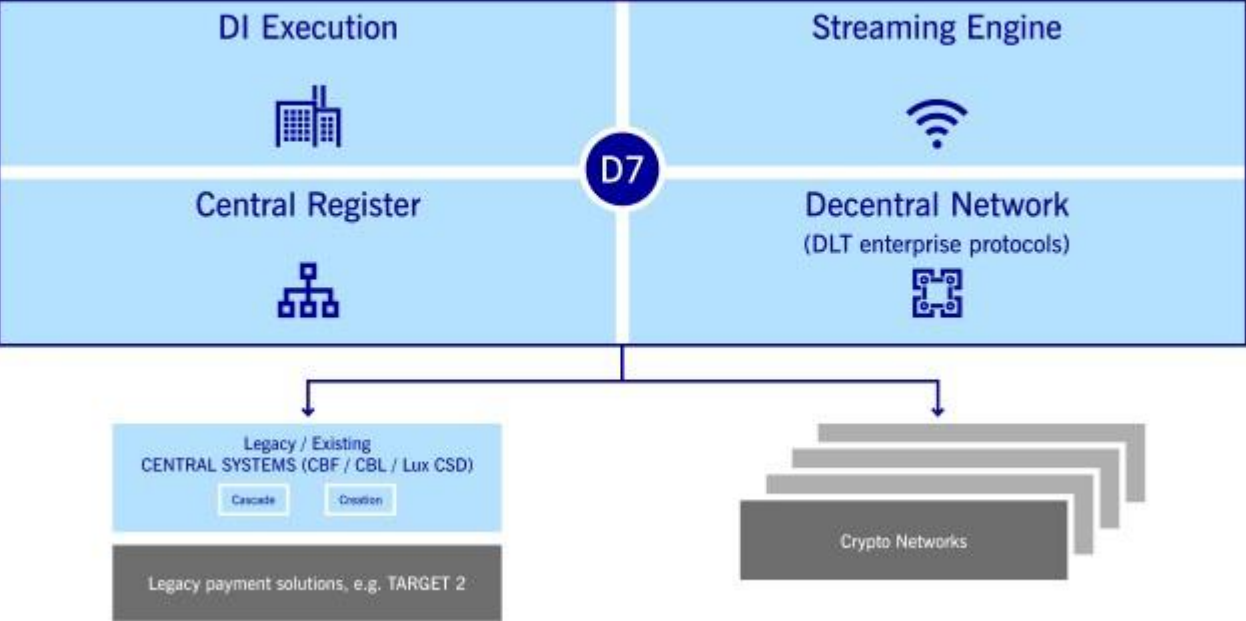
- eWpG scope **covering digital issuance of bearer bonds and funds in central digital register** within a CSD
- The scope of 1st market segment targets structured products, **covering 94% of the addressable market potential based on existing CBF ISINs** to be digitized

* The data population is based on the evaluation of all active ISIN on the 05th July 2021 from WSS.

Our D7 digital post-trade platform will serve multiple asset classes based on central and decentral networks

D7 Vision

D7 Infrastructure components



- **Scope:** Digital Securities, Digital Assets, Stable Coins, Crypto Currencies
- **Coverage:** Entire value chain of issuance, custody, settlement/ payment, asset servicing
- **Jurisdiction:** Regulated in DE and Lux
- **Governance:** Joint rulebook
- **Building blocks:** DI Generator, Streaming Engine, Digital Register, Decentral Network, Routing Engine, Trusted Third Party (CI)
- **Connecting and enabling:** Central and decentral digitization (enterprise DLT solutions, CBDC and Crypto Currencies), legacy infrastructure and existing offerings like HQLAx, FundsDLT and Origin
- **Serving:** Clearstreams CSDs, ICSDs as well as shared infrastructure for custodians, business networks etc.

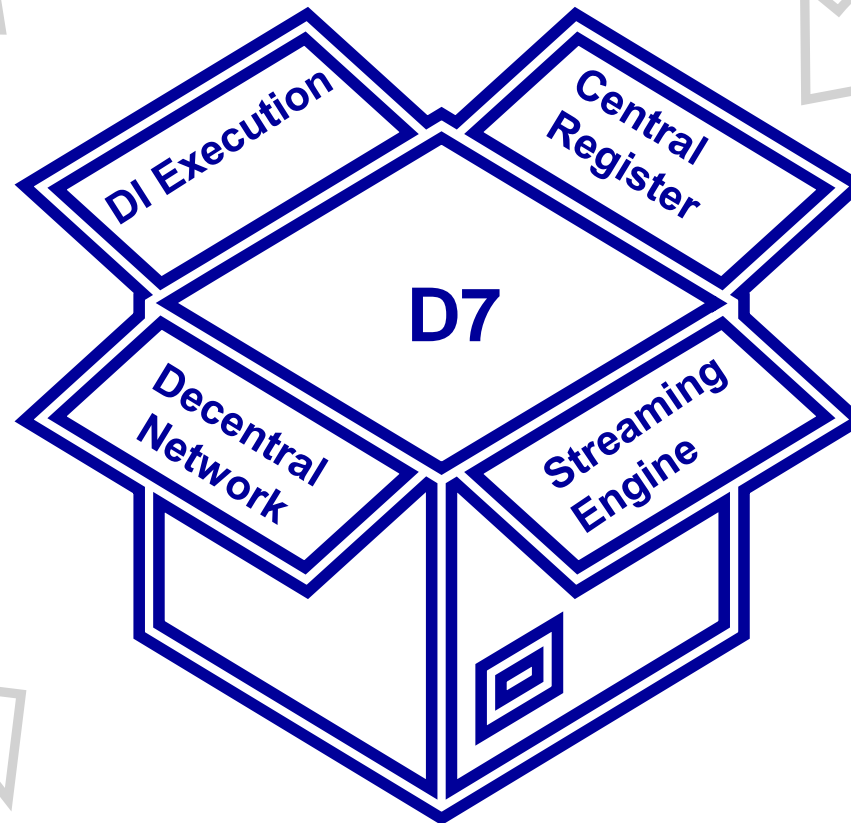
D7 in a box: what we can expect by end of 2022

CAPABILITIES

- >30k Issuances per Day
- Broad set of Smart Contracts
- Same Day Issuance
- Digital Vault
- Digital Instrument as Golden Source of Data
- T2S-Settlement

PRODUCTS

- Structured Products
- Commercial Paper



REGULATION

- German e-Securities regulation

CONNECTIVITY

- UI
- API
- (Node)

INTERFACES

- Legacy Infrastructure
- Listing Venues
- Issuer/ Issuer Agents
- Flow Provider

Thank you!

Jens Hachmeister
Managing Director
Issuer Services and New Digital Markets



DEUTSCHE BÖRSE
GROUP



#DigitisingFinancialInstruments



D7 video

[D7 – the streaming platform of the financial markets - YouTube](#)