### DANMARKS NATIONALBANK

# From paper to tokens?

How technology drives new types of money and assets and the role of central banks

Ulrik Nødgaard Governor of Danmarks Nationalbank



#### **Agenda**

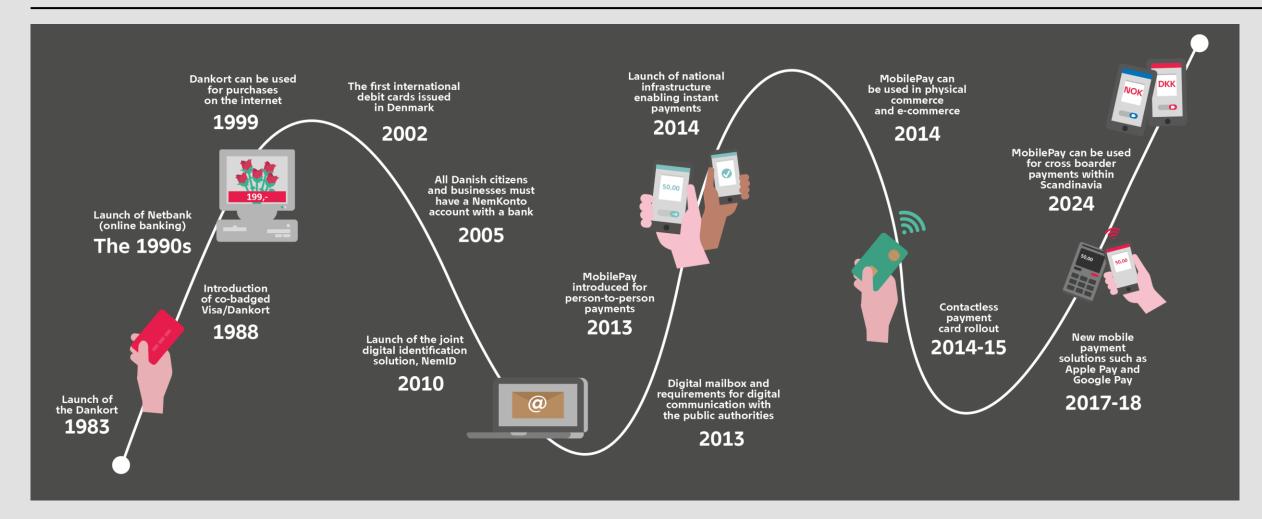
**01** How we pay today

**02** How we might pay tomorrow

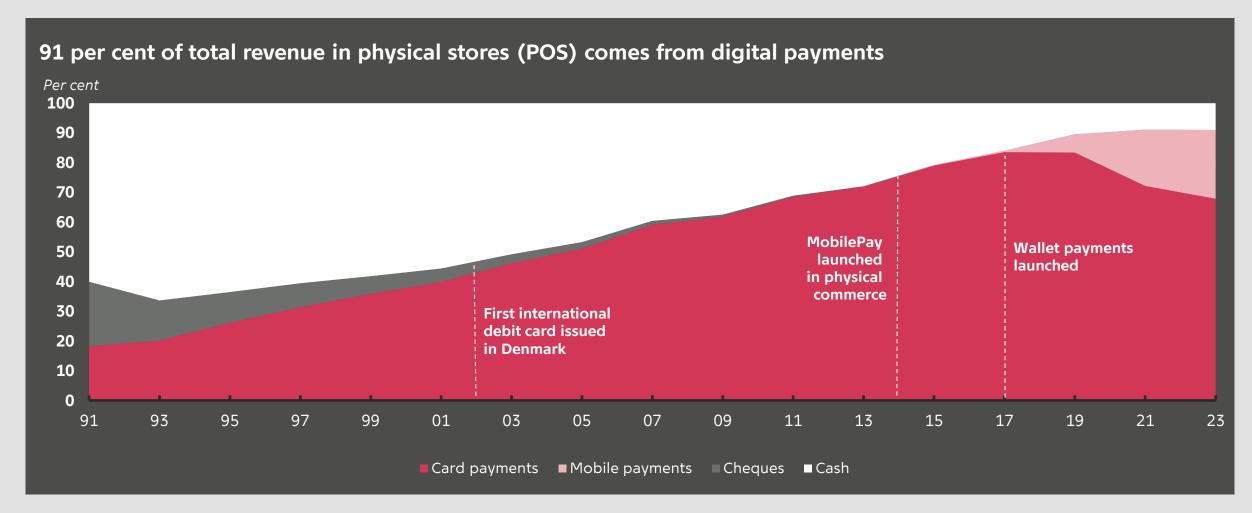


02 How we might pay tomorrow

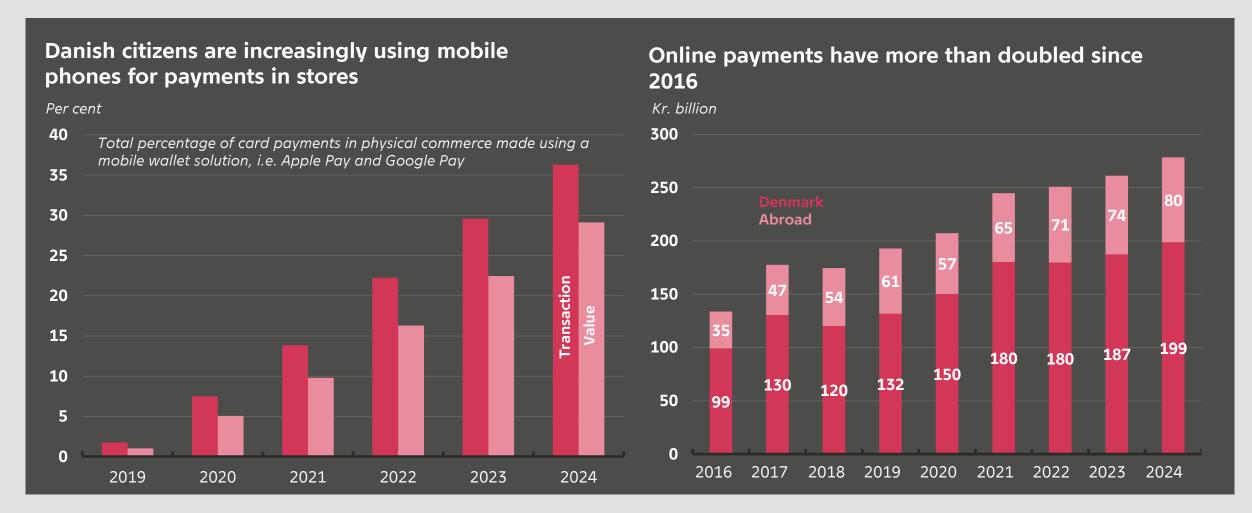














**02** How we might pay tomorrow



**CRYPTO-ASSETS** 

**STABLECOINS** 

**INSTANT PAYMENTS** 

CENTRAL BANK
DIGITAL CURRENCIES
(CBDC)



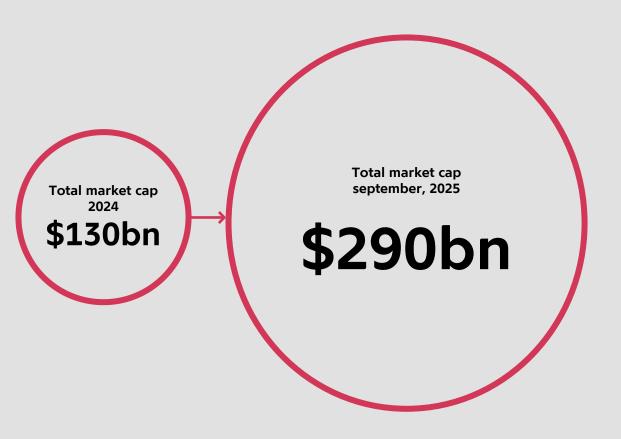
CRYPTO-ASSETS STABLECOINS INSTANT PAYMENTS DIGITAL CURRENCIES (CBDC)

- Unbacked crypto-assets are volatile assets that expose investors to high risk
- Speculative investment objects rather than means of payment
- MiCA provides regulatory requirements and is a step towards more investor and consumer protection







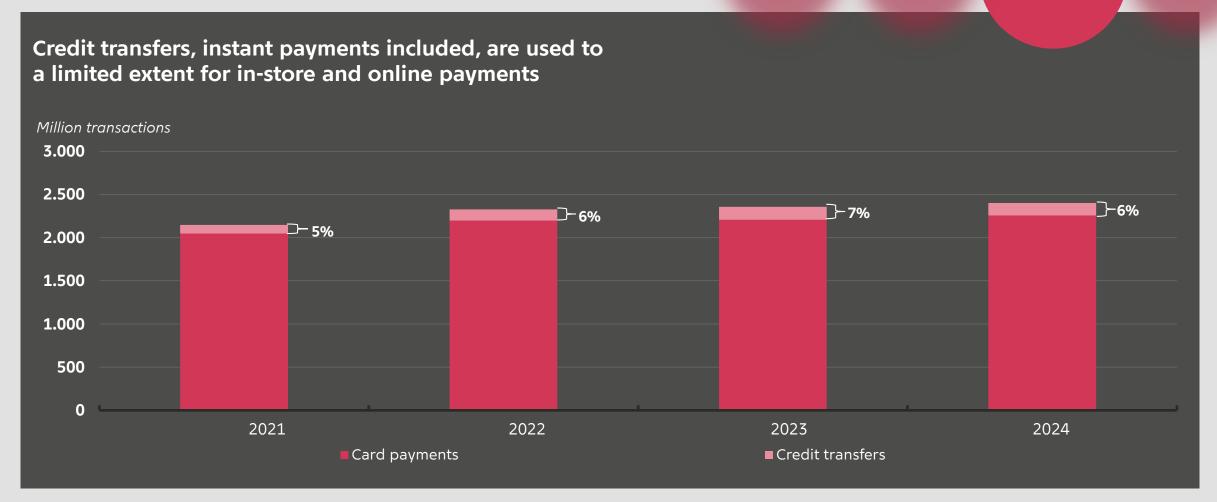


- Still primarily used for crypto-trading
- But may take on other functions such as cross-border transactions and money remittances
- Stablecoins as means of retail payments are highly uncertain given current solutions and rise of instant payments
- Regulatory initiatives (such as MiCA and Genius Act) may boost issuance and adoption



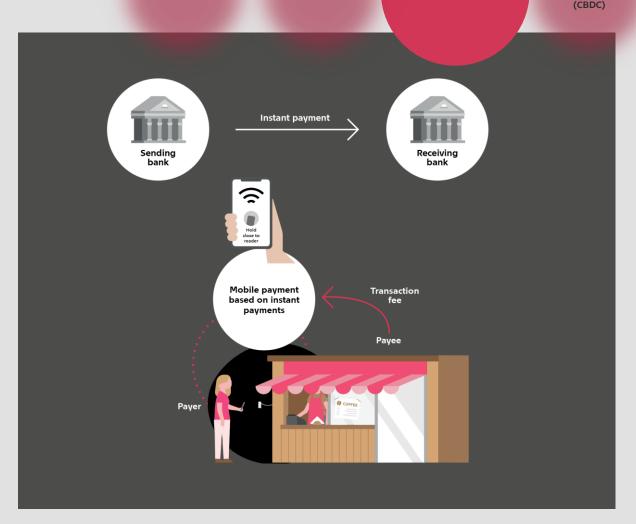
CRYPTO-ASSETS STABLECOINS







- Open banking payments or instant payments can involve fewer players...
- ... leading to more efficient and possibly cheaper payments for merchants
- NFC access on devices could trigger wider domestic adoption of A2A payments at the POS..
- ... catalyzed by increased focus on instant payments and strategic autonomy



**STABLECOINS** 

**CRYPTO-ASSETS** 

INSTANT PAYMENTS





- Moving towards a digital euro (euro CBDC)
- Currently, no clear use-case from a DK perspective
- If things change shortcut to ECB platform



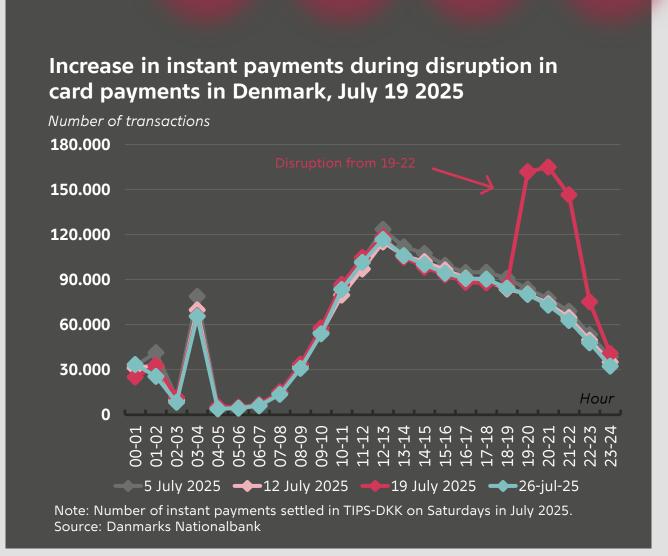
- Resilience and strategic autonomy will remain key priorities for future payment solutions
- Both resilience and offline functionality should be core design parameters

CRYPTO-ASSETS

**STABLECOINS** 

INSTANT PAYMENTS

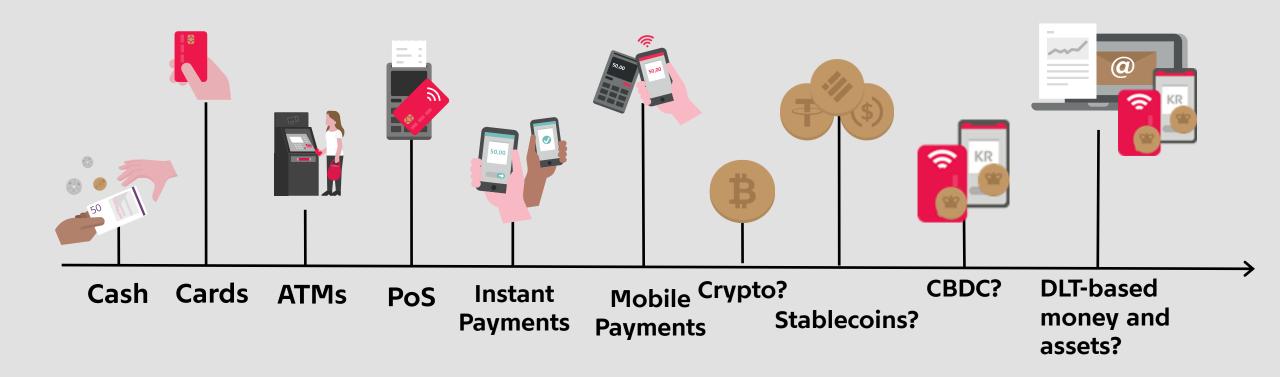
CENTRAL BANK
DIGITAL CURRENCIES
(CBDC)



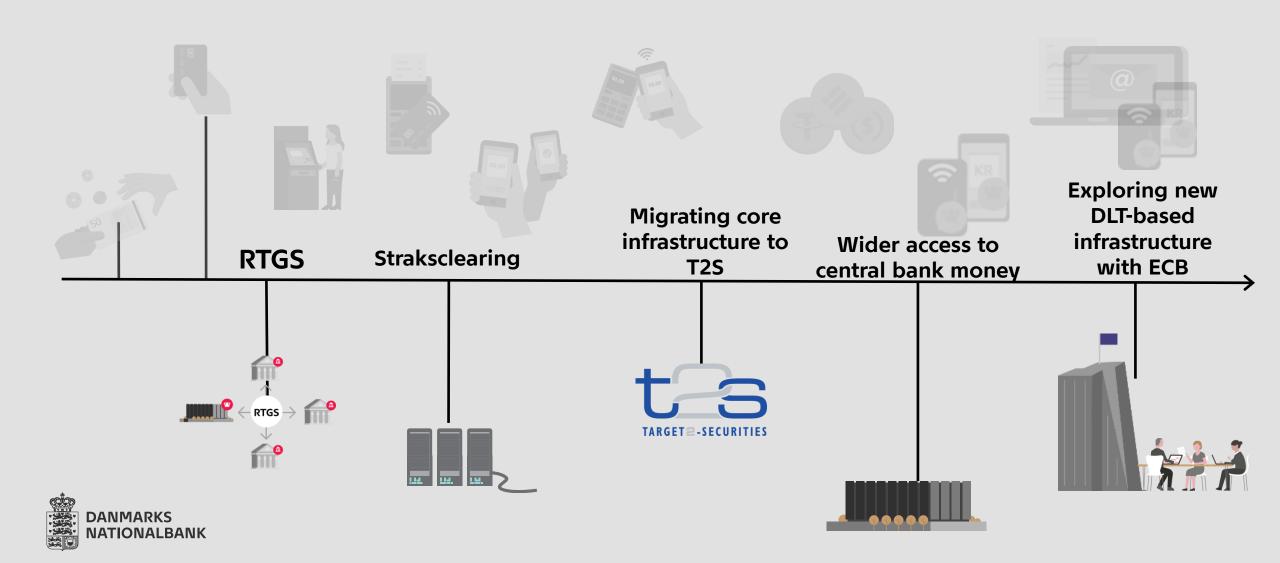


02 How we might pay tomorrow









#### 03 Things going on behind the scenes



Wider access to central bank money

- Opportunities for non-bank payment service providers to participate in **Danish settlement systems more** easily
- Enhances the competitiveness of Denmark's financial system and supports innovation by allowing new types of companies (such as emoney institutions and payment institutions) to join



infrastructure with ECB

- Shaping the future by influencing **European settlement standards and** interoperability
- Multi-currency focused to Support cross-border efficiency and strengthen the krone's role
- Innovative and resilient to prepare for digital assets and nextgeneration infrastructure



# Regardless of paper and tokens, we strive to ensure that Denmark has a robust economy, by ensuring...





# Thank you

