

Building secure and trusted digital identities to achieve digital sovereignty

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Sovereignty is an evolving concept

- > Digital sovereignty refers to the ability to have control over your own digital destiny – the data, hardware and software that you rely on and create.
(World Economic Forum)

3 LEVELS



REGIONAL



ORGANIZATIONAL

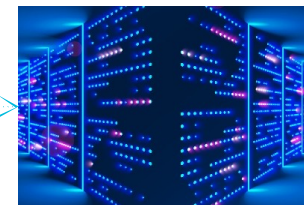


INDIVIDUAL

FROM THE EDGE... TO THE CORE

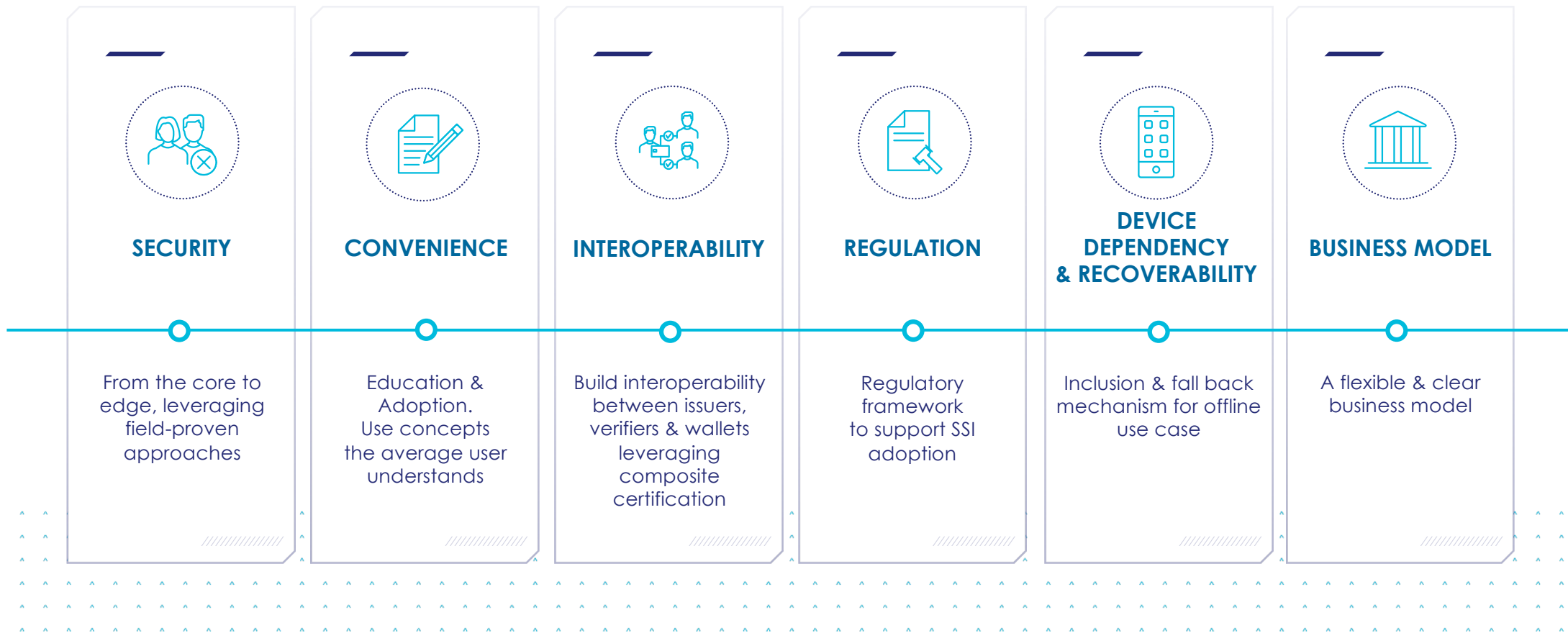


An **end-to-end**
security approach





Utopia vs. Reality – 6 challenges in adoption



OPEN



Security: from edge to core

- > EUDI Wallet is a key project for the EU.
Security will drive its success.

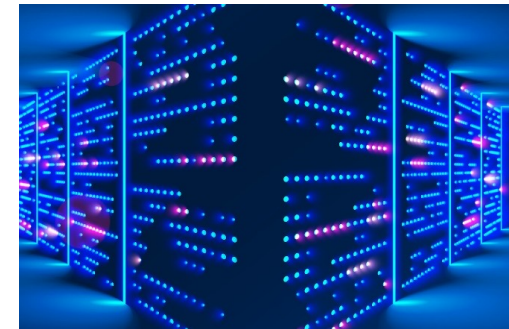


Today's physical IDs meet the highest level of security.

They are based on **secure elements**. We should leverage this capability.



An **end-to-end** security approach



We need to protect the core part using state-of-the-art and proven data encryption techniques (**HSM**, KMS...).



Interoperability: to address a large variety of use cases

> High variety of requirements calling for interoperability across solutions

Civil registry, banking & payment, tax returns, driving license, diplomas, healthcare...

> High variety of requirements calling for interoperability across solutions

Universal Coverage in EU

-Everyone should be able to have a wallet

Frictionless user experience

Wallet management and life-cycle

Local member state requirements



Clarity: to ensure consistence across all regulations

> Complex and fragmented regulatory landscape

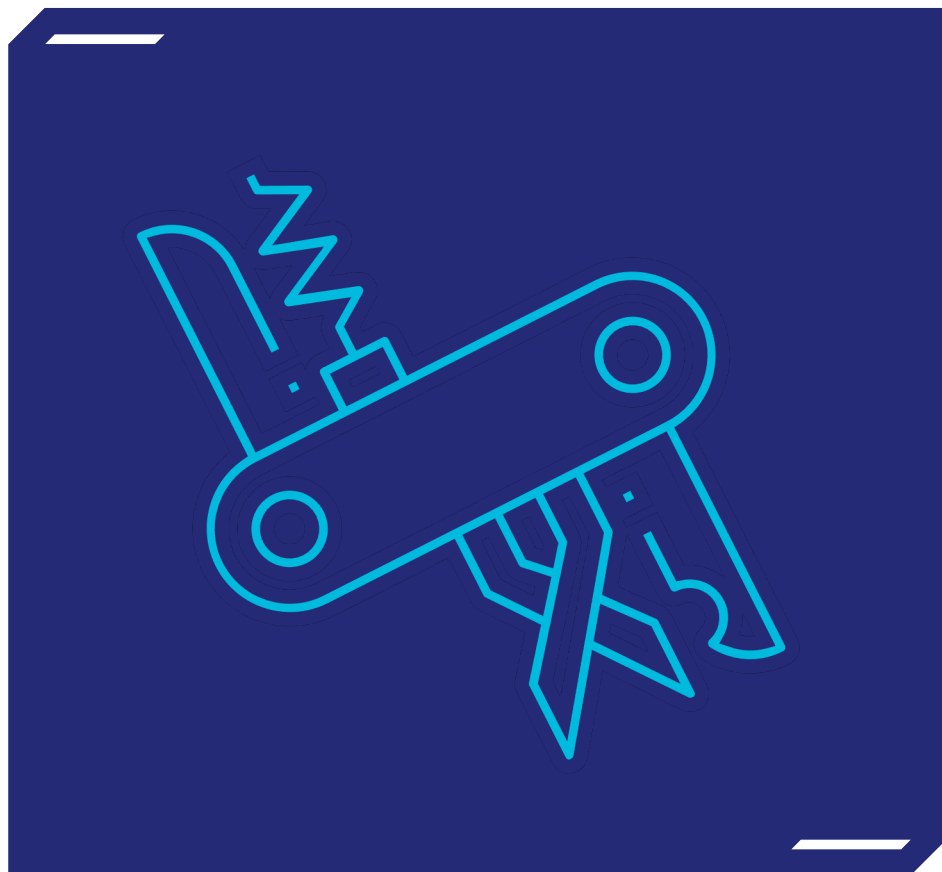
CSA, CRA, DMA, DSA, eIDAS 2, NIS 2, AI Act...

> Authorities expected to achieve consistence between regulations

> Regulations deployment: ramp-up phase required

Allow progressive returns of experience
Ensure implementation compliance with the different regulations

**Best way to prove compliance with all commitments:
A clear certification scheme.**



Ambitions: go beyond the initial use cases

> Future challenges to support

Civil registry, Digital ID for IoT

e.g. connected cars

Digital ID for virtual worlds

e.g. Metaverse

Digital ID for Cryptocurrency

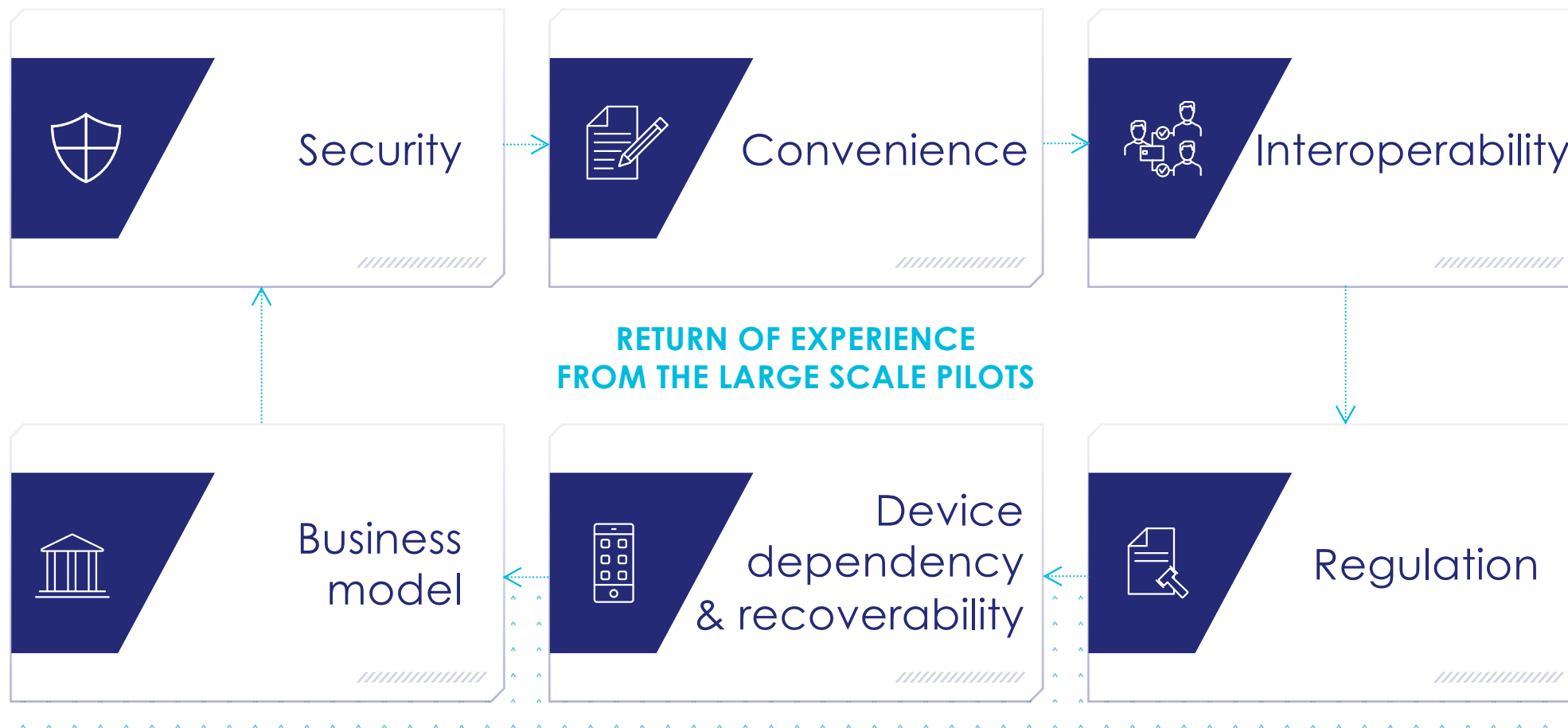
e.g. KYC or AML (anti-money laundering regulations)

Ever improving adversarial context

e.g. PQC



Building a future (sovereignty) we can all trust





Thank you

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