

**Potential**  
For European Digital Identity



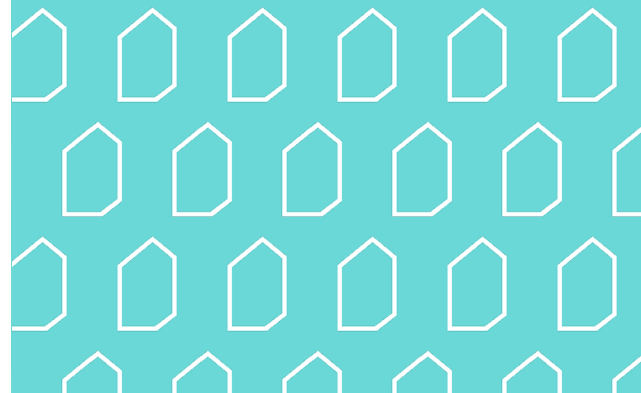
Co-funded by  
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# From Prototype to Pilot: Building Potential for Finnish EUDI Wallet

29.9.2025 – Jyri Sillanpää  
IT architect in national wallet project



**DIGITAL AND  
POPULATION DATA  
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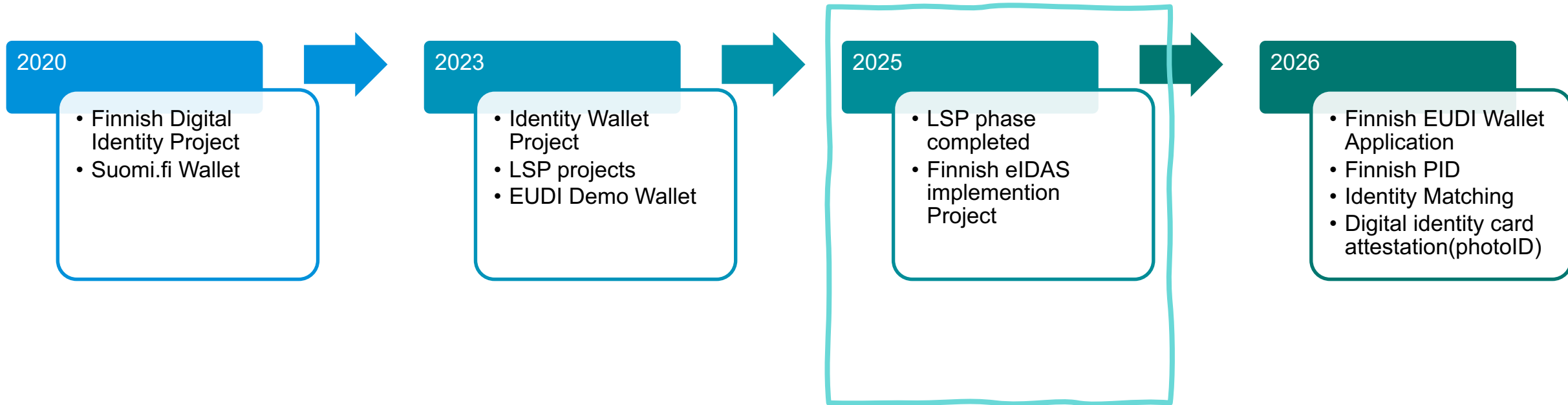


# Agenda

- From Digital Identity to EUDI Wallet
- Way of working - Stakeholder management and collaboration
- eIDAS 2 implementation project - operating model
- ARF Implementation in Finland
- Demonstration
- Pilot phase wallet technical specs "geek stuff"
- Challenges and opportunities

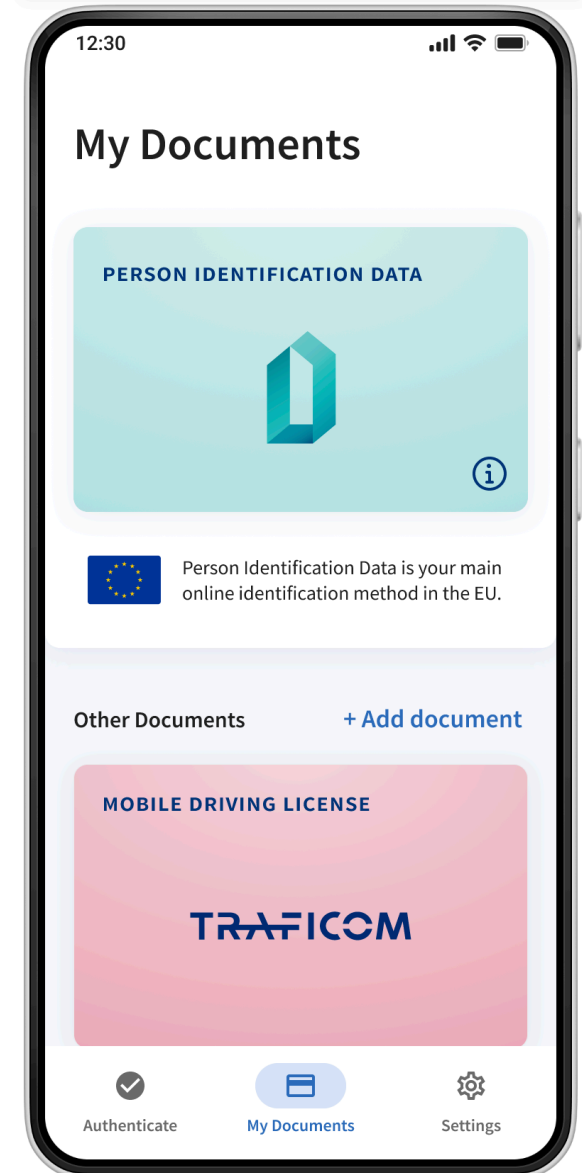


# From Digital Identity to EUDI Wallet

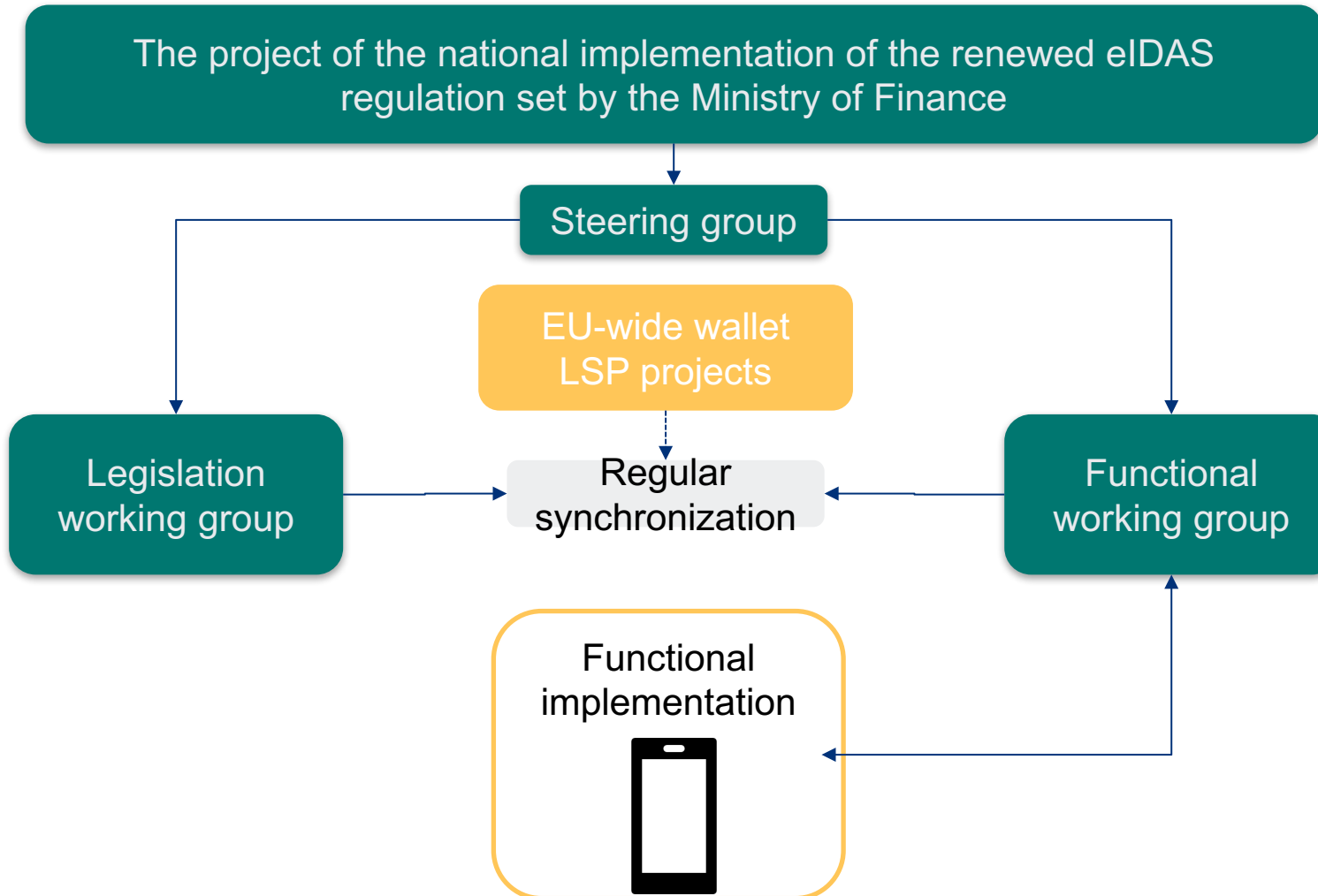


# Way of working - Stakeholder management and collaboration

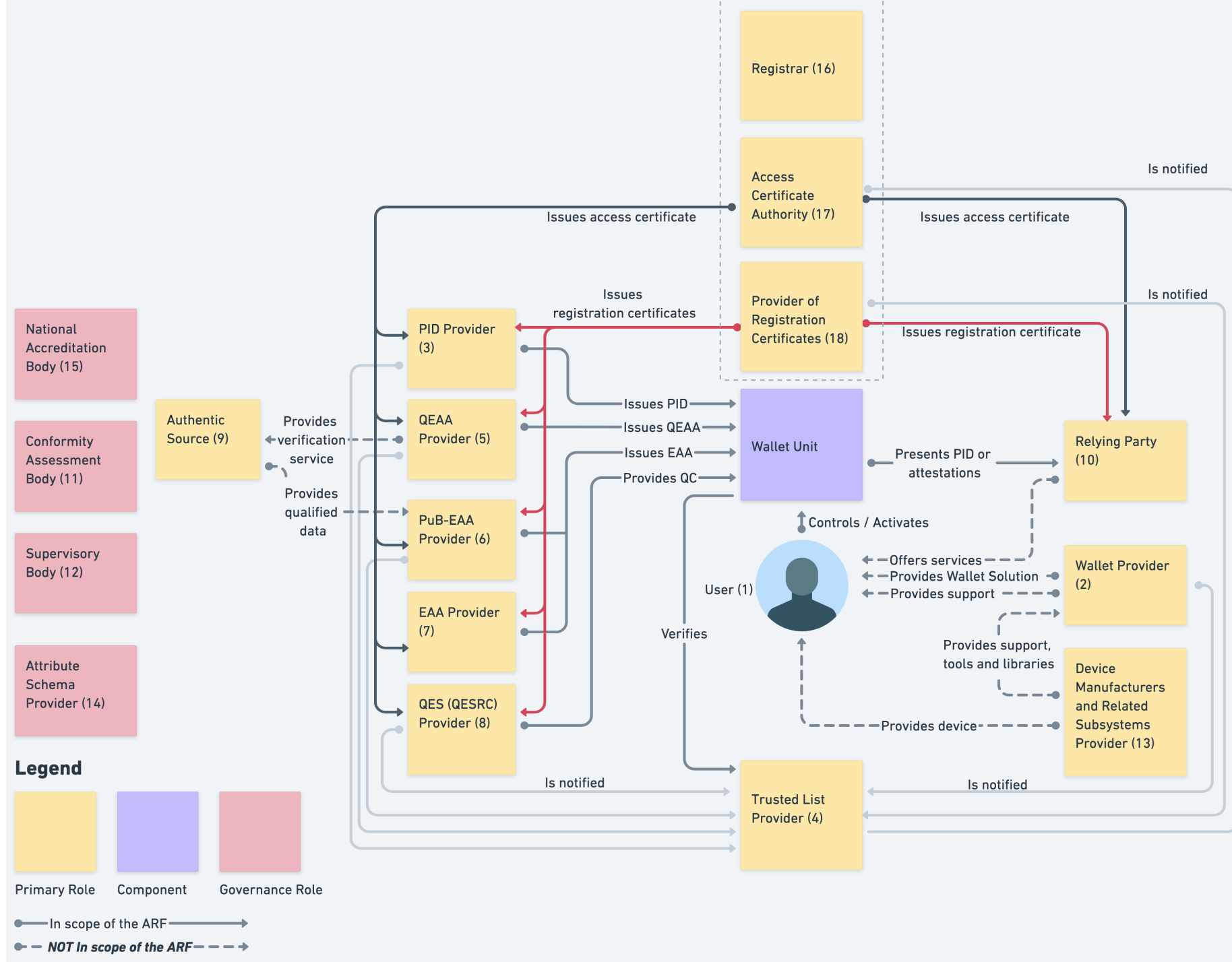
- Mendelow power/interest matrix approach for mapping recognised stakeholders and to plan effective collaboration
- National eIDAS webinars every 3 weeks
- Public workspace <https://wiki.dvv.fi/spaces/EDI/>
- Cross government collaboration : collaboration meeting every second week
- Demo app incremental releases every month for stakeholder testers
- Continuous end user testing during development and LSP pilots
- Just started technical “wallet clinic” webinars for more hands on collaboration



# eIDAS 2 implementation project - operating model



# Architecture Reference Framework (ARF)



# eIDAS implementation in Finland 2026



Wallet  
PID  
rQES  
Public RP  
IM



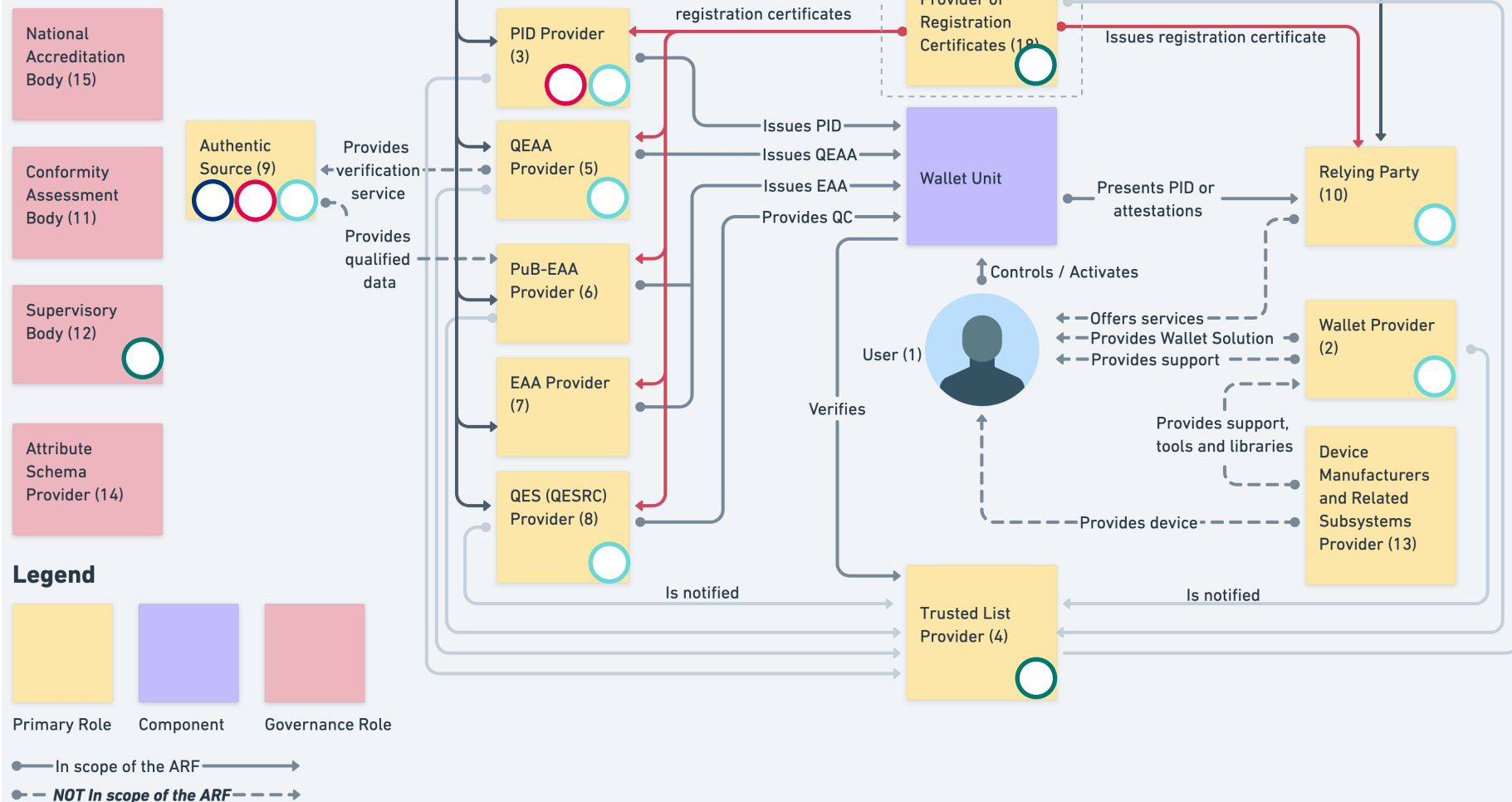
RPR



LPID

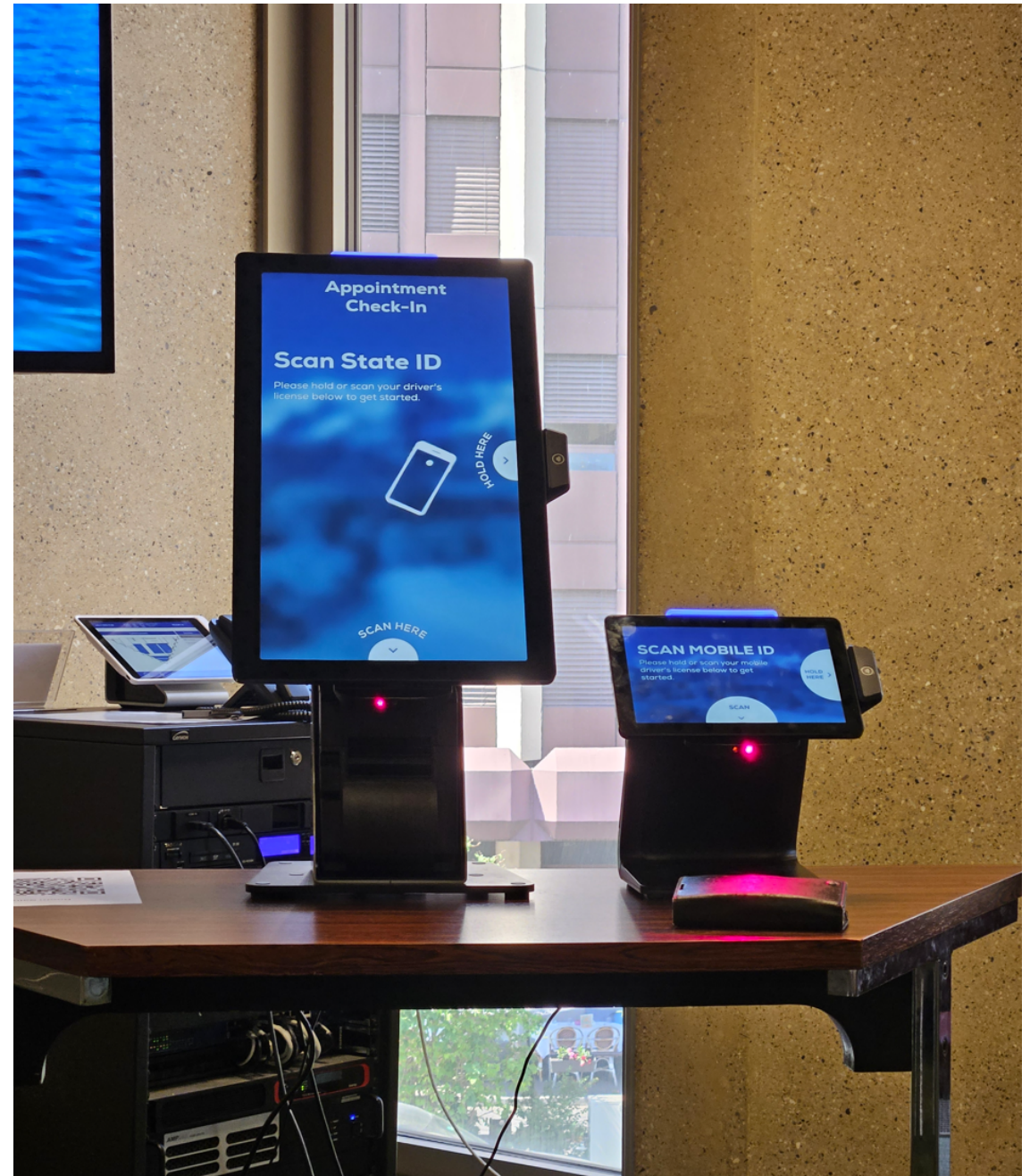


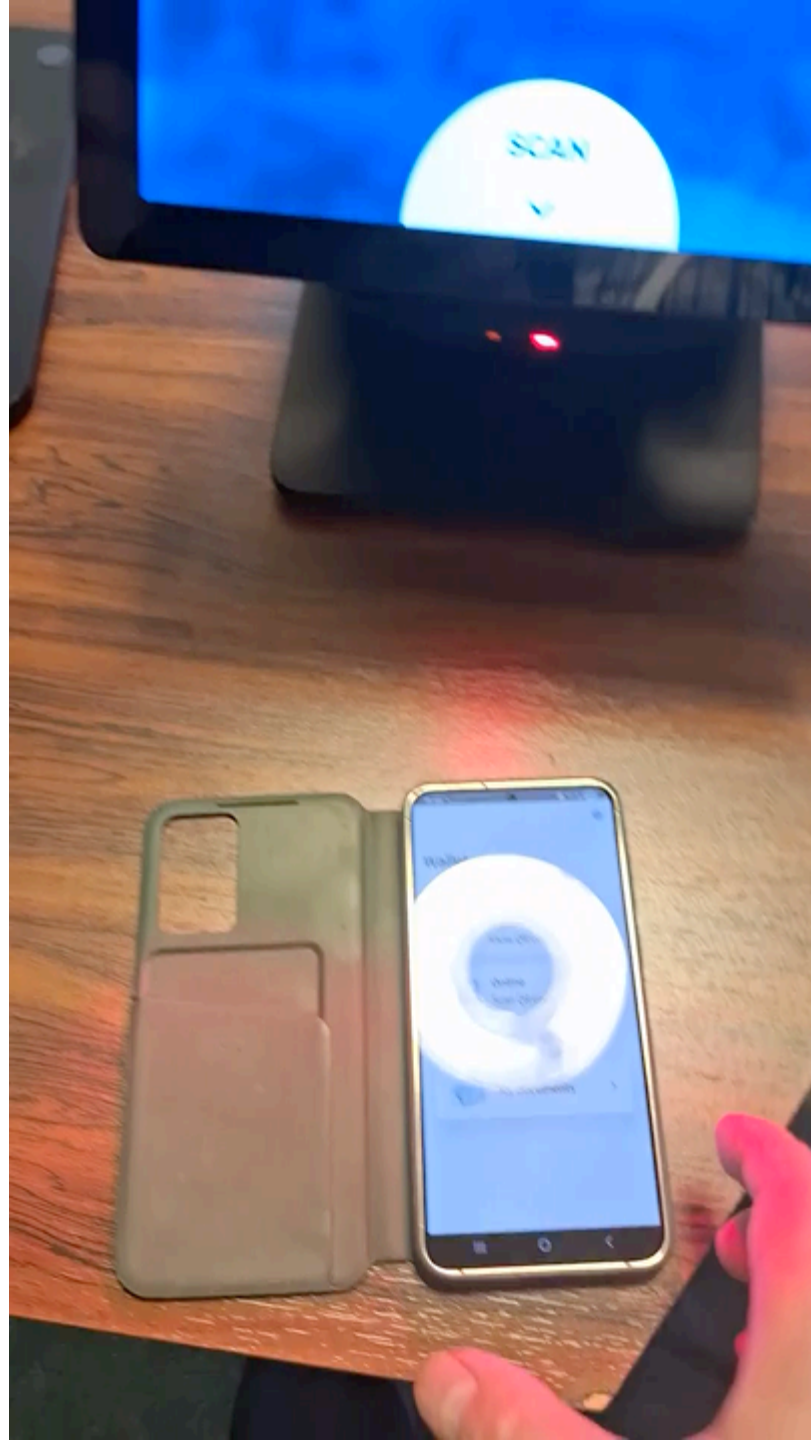
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# Demonstration of presenting a mobile driver's license (mDL) using the DVV's EUDI Demo Wallet at a self-service terminal.

*Global Digital Collaboration 07/2025, Geneva*





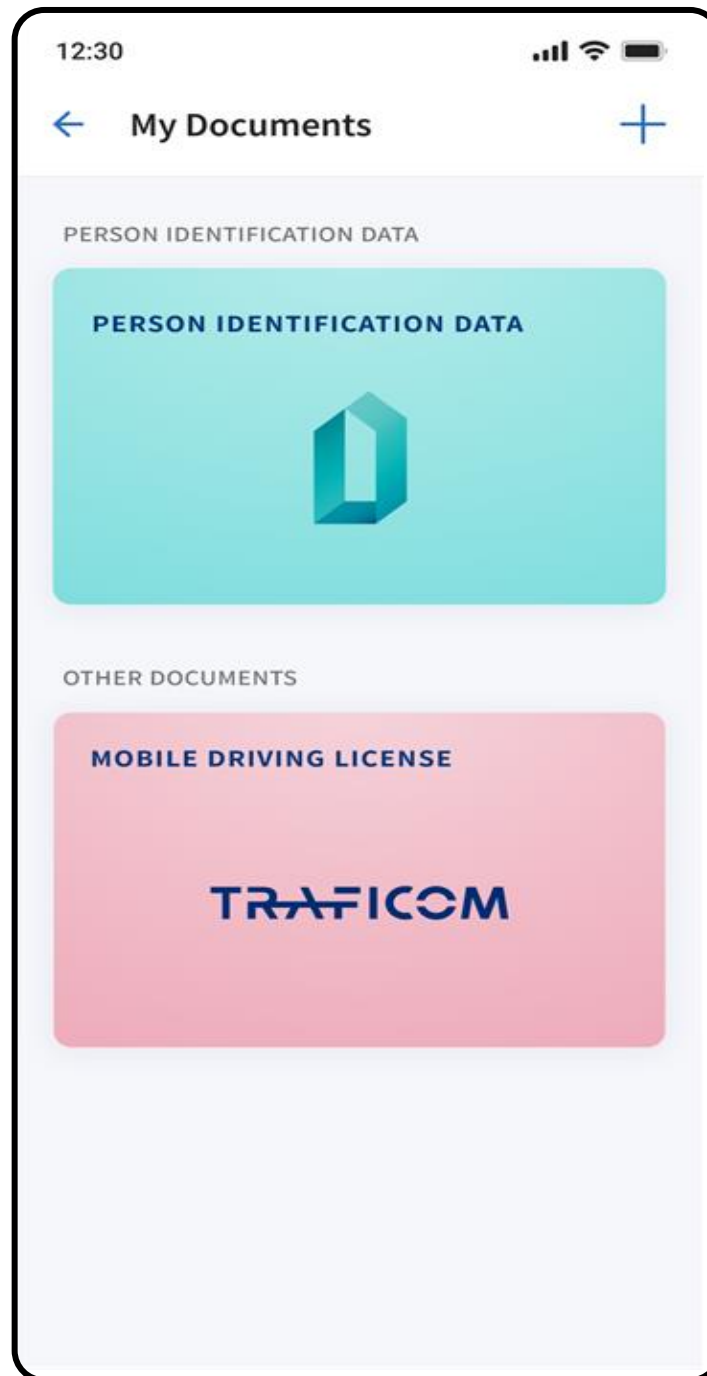
# Pilot phase wallet technical specs "geek stuff"

- Native Android application
  - OpenID4VCI, OpenID4VP, SD-JWT, MDOC / mDL support partially implemented using "Potential agreed" draft versions.
- Wallet, PID and mDL provider, OpenID4VP-OIDC adapter and various test / pilot UI's and backend services implemented as microservices.
- Current protocol support (see above) mainly implemented using own code. Successfully tested the use of reference wallet libraries (OpenID4VCI)
- Not implemented during pilot: QES, W3C VCDM, batch issuance, reissuance / refresh, LoA High wallet security requirements and remote enrolment support (using NFC + FINEID smart card)



# Challenges

- Defining technical requirements (versions) during the pilot for cross-border/cross-entity testing.
- Aligning the requirements with three pilots
- Trust models, their evolution, and interoperability challenges.
- Missing standards and specifications, certification requirements
- Technical communication silos



# Key learnings

- Collective intelligence and shared learnings.
- Technical success in the interop events “continuous interoperability” / learning by implementing.
- Consortium participants (public + private). It is necessary to cross-pollinate needs and ideas for implementation across sectors.
- Work on interoperability testing Potential Playground > Paving the way towards production testing.
- Better understanding of different agendas and priorities through collaboration (LSP, MS, EC, NiScy)
- PID and mDL are important, still should focus more on use cases outside LoA High / eID usage (more wider wallet usage)





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