

German/US Expert Meeting

IT Security Association Germany (TeleTrust) in cooperation with FIDO Alliance

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The European Digital Identity Wallet

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The European Digital Identity Wallet is coming

What has happened so far: 2020 - demand for digital identity for all



*" Every time an App or website asks us to create a new digital identity or to easily log on via a big platform, we have **no idea what happens to our data** in reality. That is why the Commission will propose a **secure European e-identity**. One that we trust and that any citizen can use anywhere in Europe to do anything from paying your taxes to renting a bicycle.
A technology where we can **control** ourselves what data is used and how."*

Ursula von der Leyen, President of the European Commission, 16 September 2020

https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/europe-fit-digital-age/european-digital-identity_en

EUDI Wallet - Secure identification, presentation of attestations and secure signing throughout Europe



Means of identification



Attestations



Signature / Seal



"Payment"

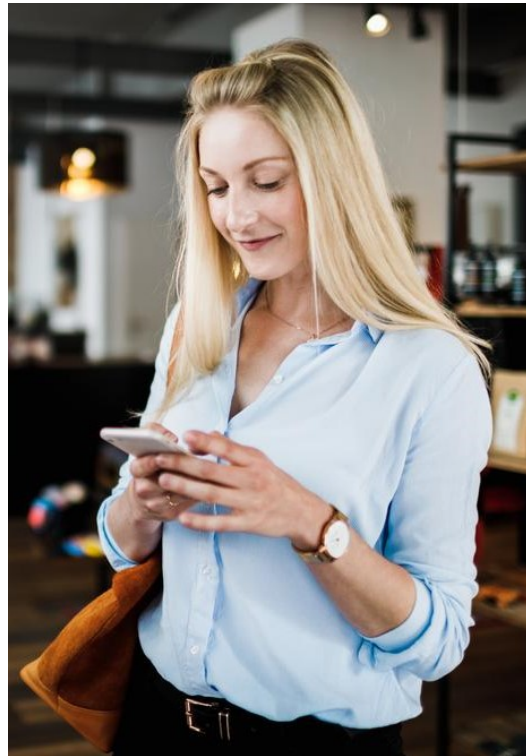
Main functions of the EUDI Wallet

<https://ec.europa.eu/digital-building-blocks/sites/display/EUDIGITALIDENTITYWALLET/EU+Digital+Identity+Wallet+Home>

Revision of the eIDAS Regulation - Europe-wide standardised legal framework for trustworthy electronic interactions

Goals

- **Strengthening the eID** by providing **EUDI wallets** for **natural and legal persons**
- **Facilitation of business and administrative processes** through many applications
- **Provision** and use of **further evidence** in the EUDI Wallet



Advantages

- European harmonized framework for **cross-border applications**
- **Free use of** the EUDI wallet and signature for citizens
- Safe and easy to use **with** full **user control**

eIDAS - electronic IDentification, Authentication and trust Services, EU-Verordnung über elektronische Identifizierung und Vertrauensdienste für elektronische Transaktionen im Binnenmarkt (eIDAS 2.0)

eIDAS 2.0 creates the basis for an ecosystem of digital identities



eIDAS 1.0 2014

- Administration
- Federated ID model
- Notification of the member states eID schemes
- population reach in Europe:

59%



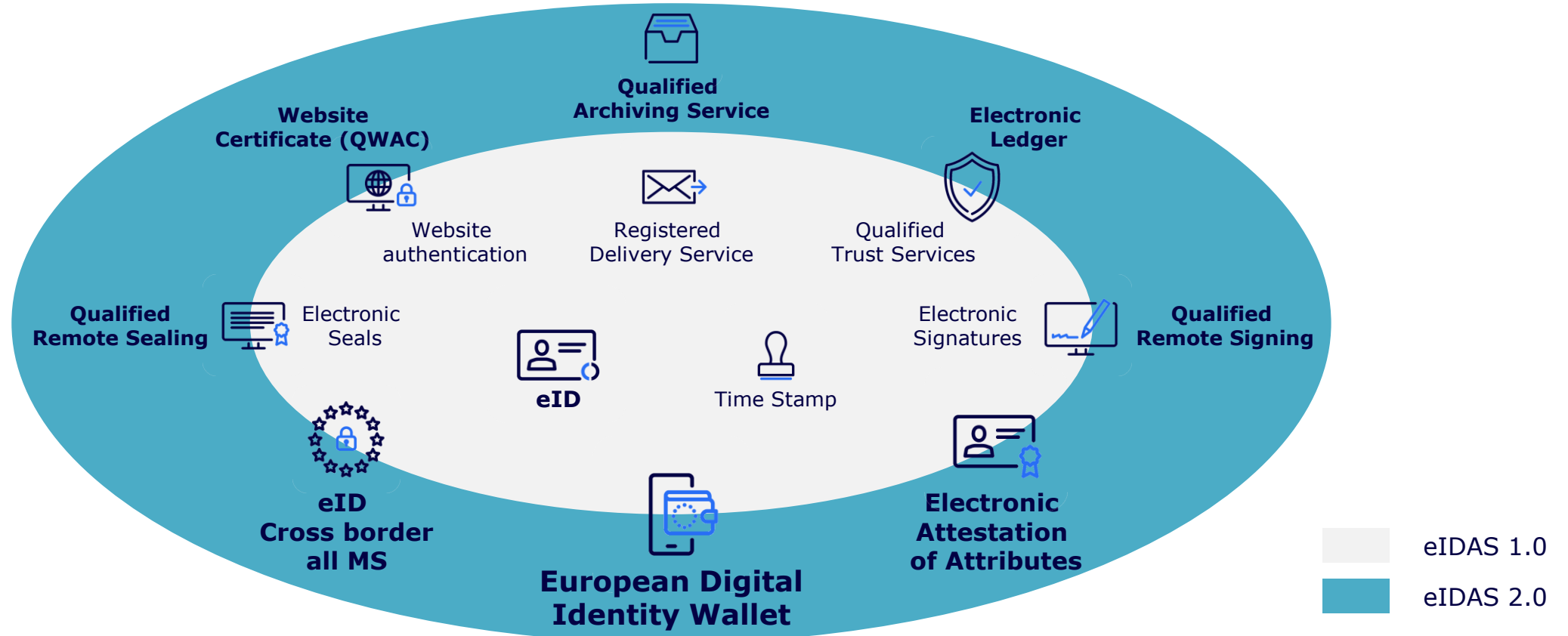
eIDAS 2.0 2024

- Administration and private sector
- Decentralized ID model
- Notification of eID/wallets
- Evidence - authentication of attributes
- Electronic ledgers, long-term archiving
- Population reach in Europe 2030:

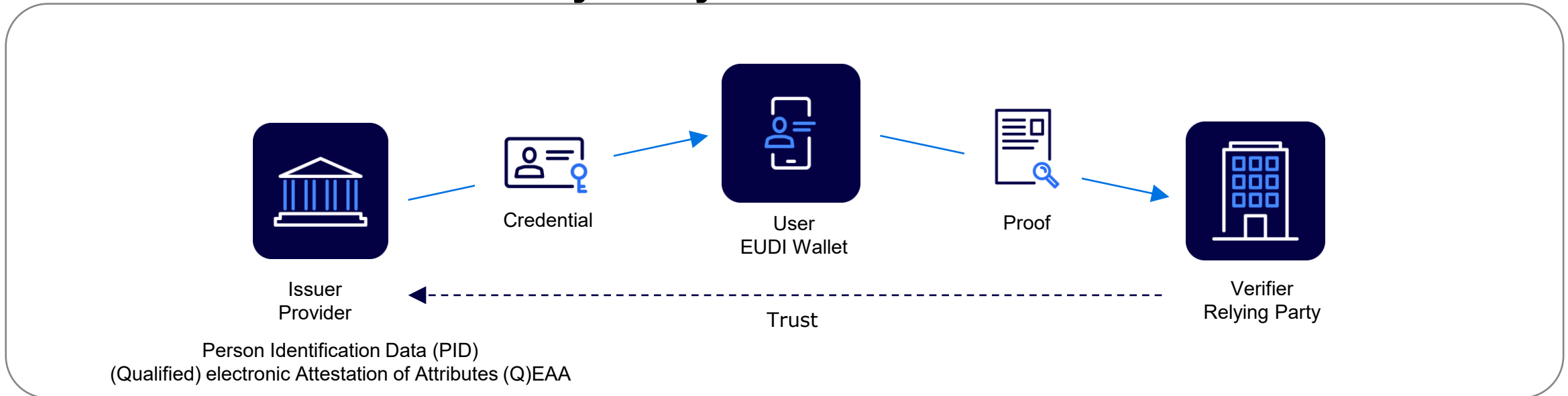
> 80%

Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL amending Regulation (EU) No 910/2014 as regards establishing a framework for a European Digital Identity

eIDAS 2.0 - an evolutionary development to increase applicability and practical benefits



The role model based on the eIDAS 2.0 Architecture Reference Framework (ARF) enables a decentralised identity ecosystem

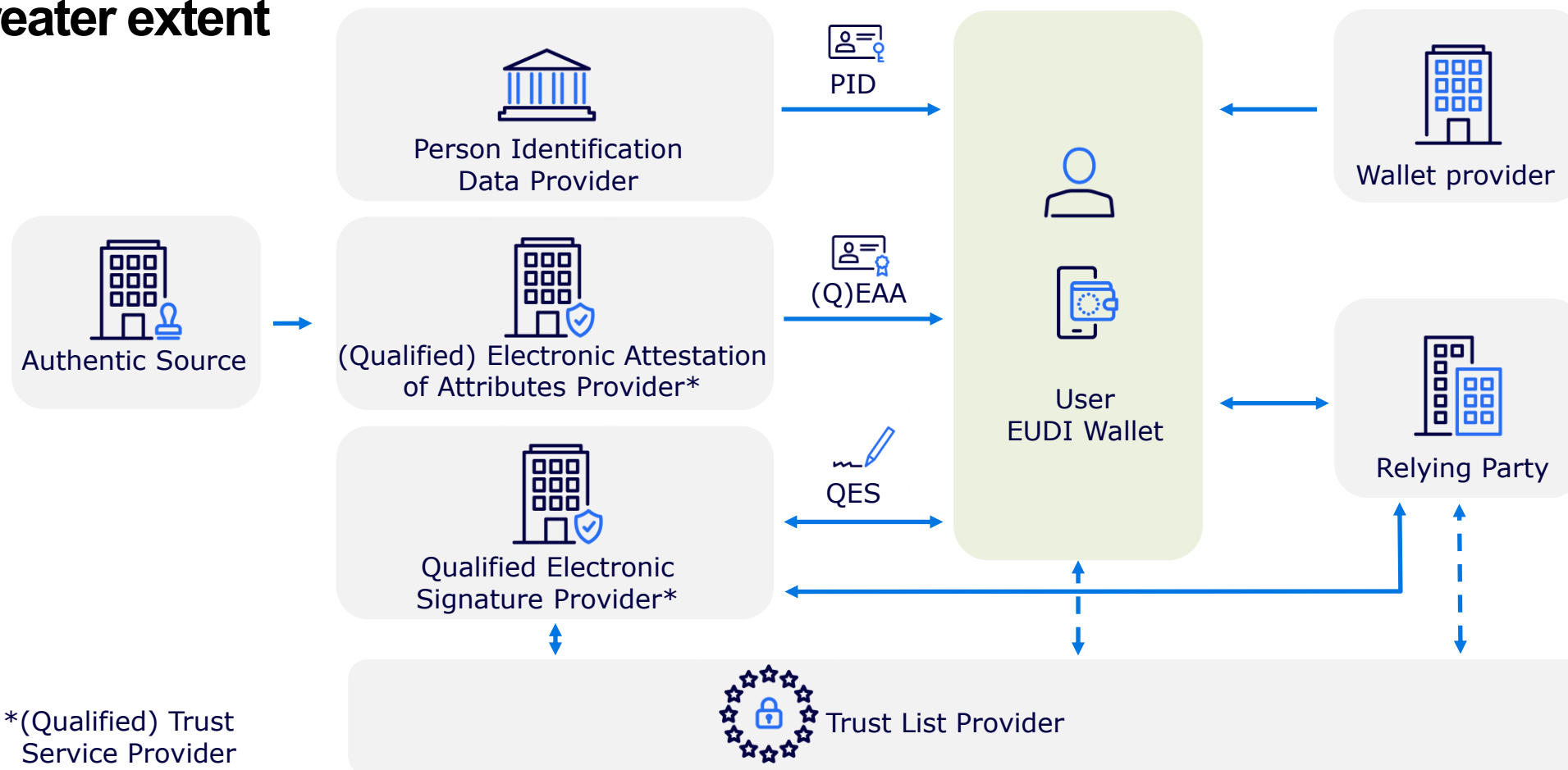


- ✓ Storage and cross-border use of credentials under the full control of the user
- ✓ Security and high usability based on common standards (e.g. ISO, IETF, OpenID, CEN, ETSI, W3C/FIDO)
- ✓ The online ID function of the German ID card forms the basis for the implementation of PID



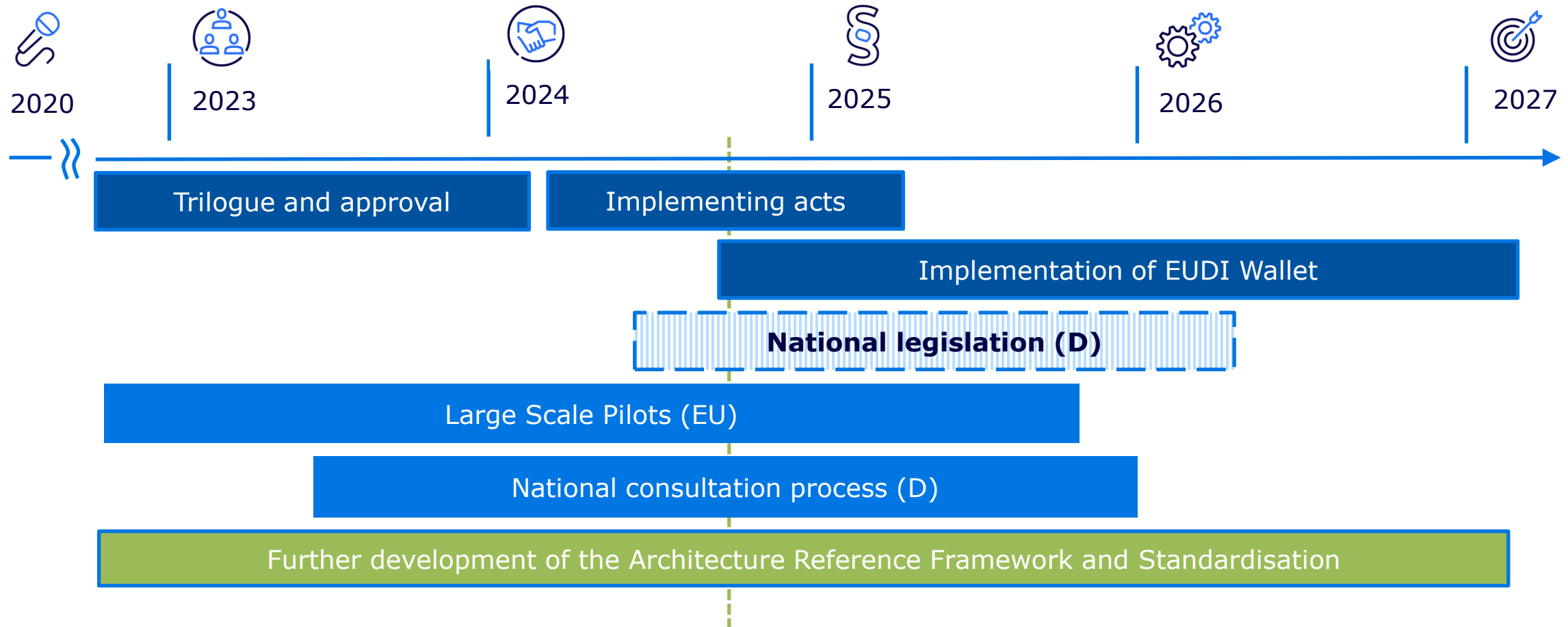
<https://digital-strategy.ec.europa.eu/en/library/european-digital-identity-architecture-and-reference-framework-outline>
<https://github.com/eu-digital-identity-wallet/eudi-doc-architecture-and-reference-framework/blob/main/docs/arf.md>

eIDAS 2.0 involves digital service providers and qualified trust service providers to a greater extent



<https://github.com/eu-digital-identity-wallet/eudi-doc-architecture-and-reference-framework/blob/main/docs/arf.md>

Timetable eIDAS 2.0 - more than halfway there



Large Scale Pilots - Demonstration of added value based on cross-border applications

In the POTENTIAL LSP consortium, Bundesdruckerei ensures interoperability and six use cases

The 6 applications of the LSP Potential

The 4 Large Scale Pilots in Europe



<https://digital-strategy.ec.europa.eu/en/policies/eudi-wallet-implementation>
<https://www.digital-identity-wallet.eu/>



eGovernment Service



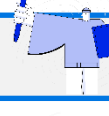
Online bank account opening



SIM card registration



Digital driving licence (mDL)



Electronic signature (QES)



Digital prescription (ePrescription)

Transparent and participatory consultation process - The path to eIDAS implementation in Germany



Comprehensive involvement of relevant stakeholder and the public



Realisation of extensive workshops on operating models and applications



Provision of the work and results via OpenCoDE



Publication of Architectural concepts, Innovation competition for wallet solutions

Open architecture and consultation process to provide a validated, interoperable, widely accepted and sustainably financeable concept for eIDAS implementation in Germany

More than 60 organisations are involved in the consultation process lead by Federal Ministry of the Interior and Community



Germany will issue a government-provided EUDI wallet and open the market to non-governmental providers

- Germany will offer a **government-provided EUDI Wallet** to ensure the certification and issuing of at least one EUDI Wallet by 2027 as stipulated by the eIDAS regulation.
- Conditions will be created for **non-governmental providers** to have their own EUDI Wallets certified and recognized. This should promote choice and innovation
- The decision was made in an interministerial exchange. Input was given from various consultation formats, specifically the “**Ecosystem Governance and Operating Models**” (EGOM) Working Group

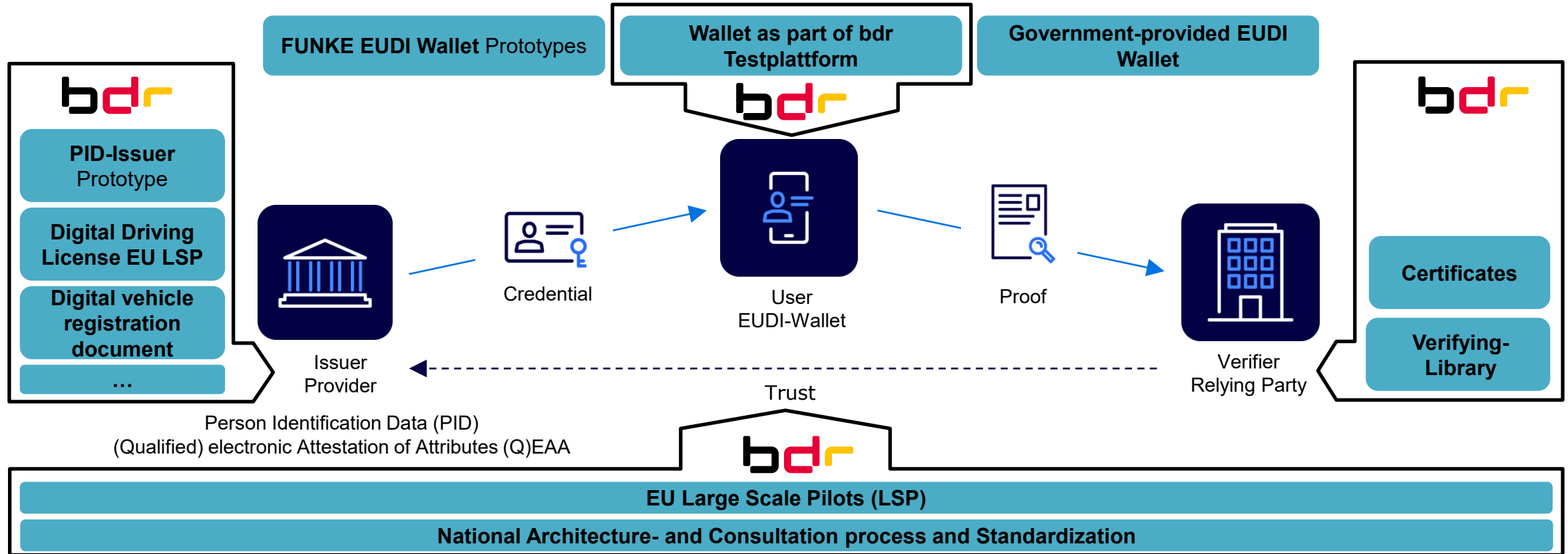


Involved ministries and institutions in the decision Process:



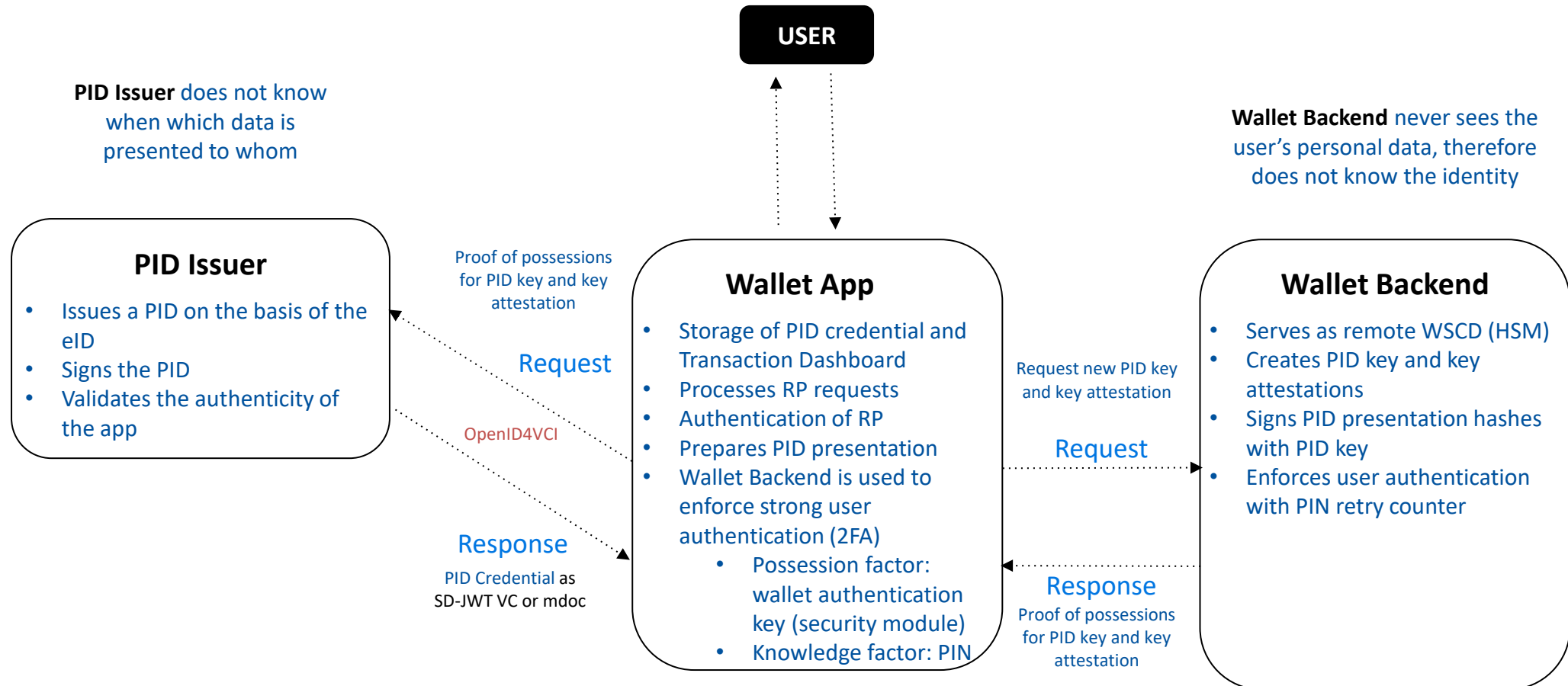
M. Heuberger, EUDI Wallet Project Update, *BMI Open Online Consultation*, 09.10.2024.
<https://gitlab.opencode.de/bmi/eudi-wallet>
<https://www.bmi.bund.de/SharedDocs/pressemitteilungen/DE/2024/09/eudi-wallet-sep.html>

Bundesdruckerei is driving forward harmonized solutions for digital credentials through active project work at national and EU level

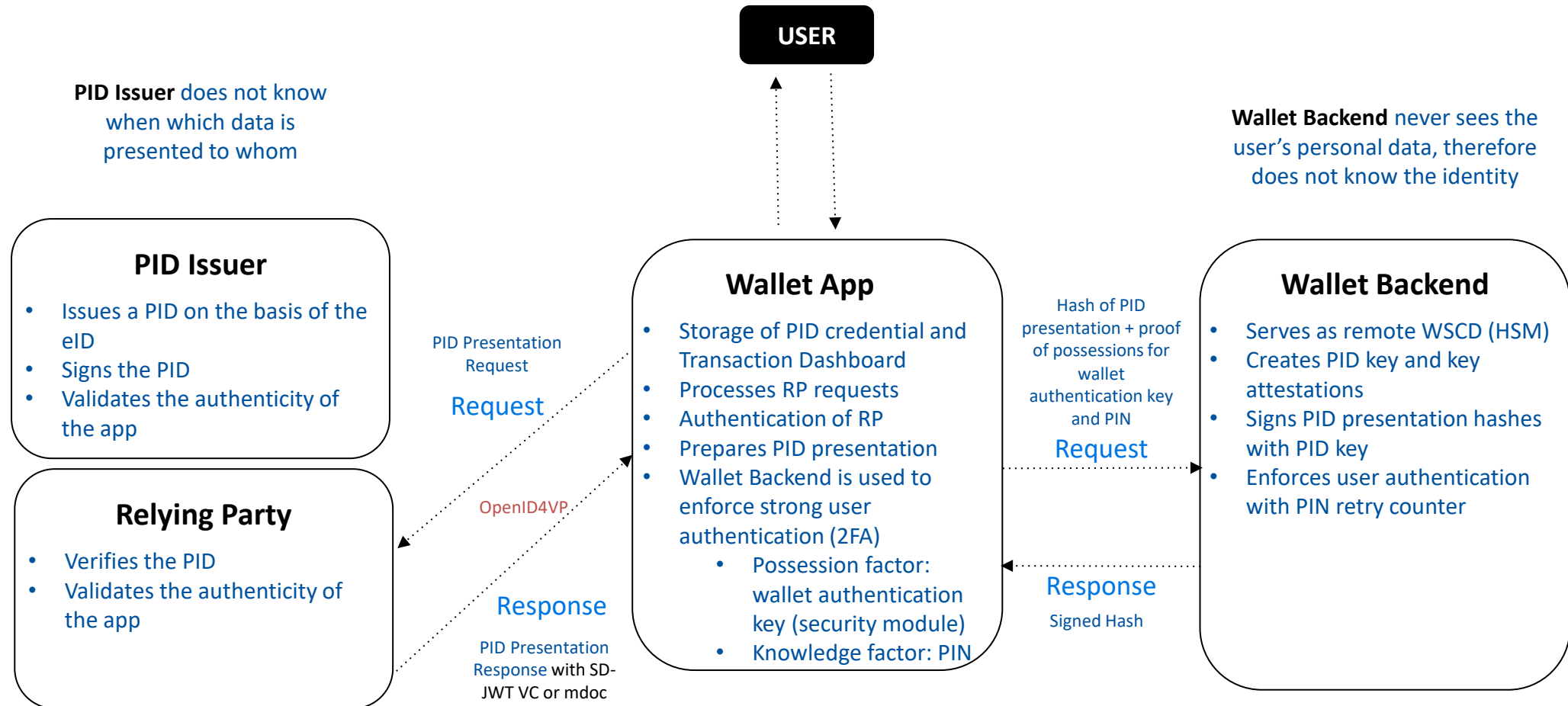


<https://www.bmi.bund.de/SharedDocs/pressemitteilungen/DE/2024/09/eudi-wallet-sep.html> | <https://www.bmi.bund.de/SharedDocs/pressemitteilungen/DE/2023/11/digitale-brieftasche.html> | <https://www.sprind.org/de/challenges/eudi-wallet-prototypes/> | <https://www.bundesdruckerei.de/de/newsroom/news/cyberseclunch-26>

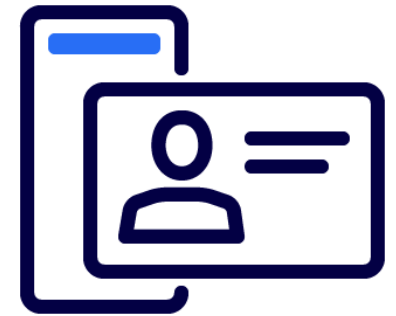
UNDER THE HOOD (FOCUS ON ISSUANCE)



UNDER THE HOOD (FOCUS ON PRESENTATION)



Gartner Predicts At Least **500 Million** Smartphone Users Will Be Using a Digital Identity Wallet by 2026



<https://www.gartner.com/en/newsroom/press-releases/2024-09-24-gartner-predicts-at-least-500-million-smartphone-users-will-be-using-a-digital-identity-wallet-by-2026>

eIDAS 2.0 completes the European trust space and strengthens European digital sovereignty



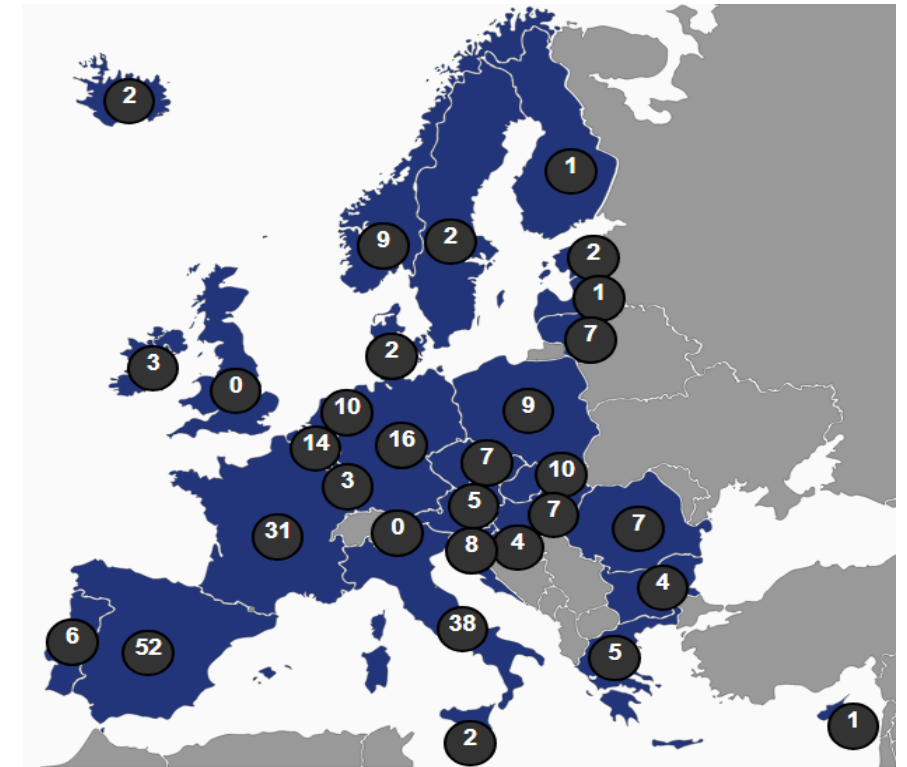
EUDI-Wallets available
throughout Europe by 2027



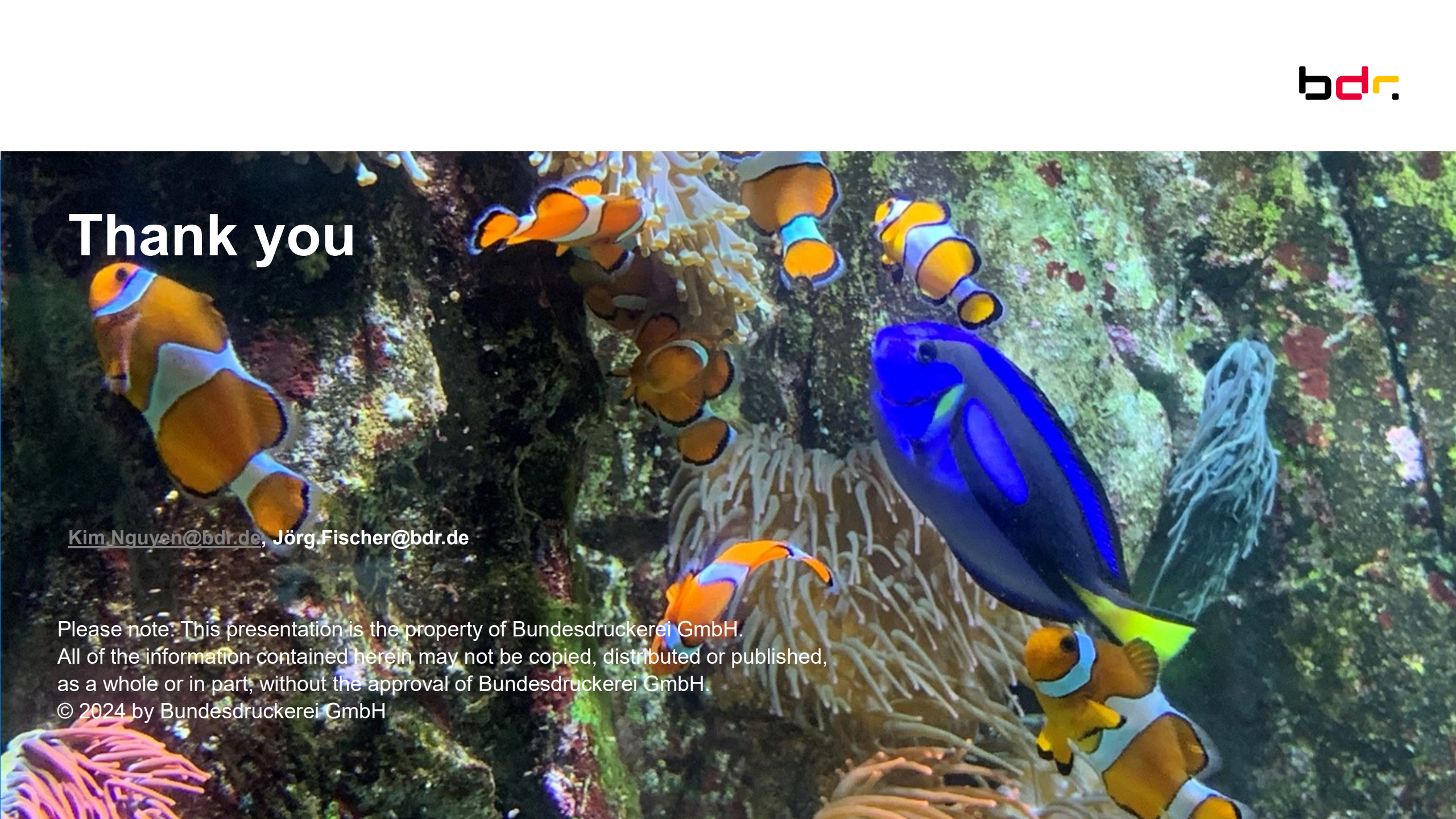
Harmonized solutions for cross
border applications



Facilitation of business and
administrative processes with
added value for people,
administration and economy



Trust Service Providers <https://www.eid.as/tsp-map/#/>

The background of the slide is a vibrant underwater photograph. It shows a school of orange and white clownfish swimming near a large, white sea anemone. A single blue tang with a bright yellow stripe is also visible, swimming towards the right. The surrounding coral and rocks are covered in various colorful marine life, including purple and pink anemones.

Thank you

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