



# SHAPING EUROPE'S DIGITAL FUTURE

## The European Digital Identity Wallet

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“ The European Council calls for the development of an **EU-wide framework** for **secure public electronic identification** (e-ID), including interoperable **digital signatures**, to provide **people with control** over their online identity and data as well as to enable access to **public, private** and **cross-border** digital services. ”

- European Council Conclusions, 2 October 2020



# The ambition: Towards a European Digital Identity



**Universally Available**  
all EU citizens and  
businesses may use it  
on a voluntary basis



**Universally Useable**  
recognised by private  
and public service  
providers for all  
transactions that require  
authentication



**Protecting Personal  
Data**  
users are able to take  
control of their identity  
and the disclosure of  
personal data/attributes

# Legislative process

- **On 3 June 2021**, the Commission proposed a revision of the eIDAS regulation, which set out a vision for the European Digital Identity Framework
- The proposals is still under legislative discussions with negotiations with the European Parliament and EU Council ongoing
- Council is aiming for a General Approach at TTE Council on **6 December 2022**
- The lead Committee in Parliament (ITRE committee) will vote on **6 February 2023**, with a possible vote in plenary later in February
- Trialogues could start in **spring 2023**

# Architecture Reference Framework

## Roles

End Users / EUDI Wallet Issuers / Providers of Person Identification Data (PID) / Providers of Registries of Trusted Sources / Providers of Qualified and Non-qualified Electronic Attestation of Attributes / Providers of Qualified and Non-Qualified Certificates for Electronic Signatures and Seals / Providers of other Trust Services / Authentic Sources / Relying Parties / Conformity Assessment Bodies (CAB) / Supervisory Bodies / Device Manufacturers and Related Entities /

## Functional requirements

Store Person Identification Data and attestations of Attributes / Request and obtain Person Identification Data and attestations of attributes / Cryptographic functions / Mutual authentication between the EUDI Wallet and third parties / Selection, Combination and sharing of Person Identification Data and attestations of Attributes, online and offline / User interface for user awareness and authorization mechanism / Sign by means of qualified electronic signature or seal / Interfaces with external entities

## Non-functional requirements

Security / Privacy / Interoperability /...

## Building blocks

Application / Supporting modules / Storage /...

# Large-scale Pilots for the Wallet

- **Support the piloting of the European Digital Identity Wallets** by Member States and relevant stakeholders in compliance with the common Union Toolbox and reference implementation of EUDI Wallet
- **Promote the development and deployment of use-cases** for the EUDI Wallet in different areas involving both public and private sector stakeholders
- **Test the interoperability and scalability of use-cases** within national and cross-border implementation contexts

Type of action	Simple grant (50% co-funding rate)
Indicative Budget	EUR 37 million
Indicative duration	24 months
Indicative budget per Grant (EU contribution)	EUR 10-12 million
Implementation	HaDEA
Grant Agreement	Q1 2023
Project Start	Q2 2023

**Large-scale use-case pilots** to test and develop the use of the wallet in a range of areas including:

- Mobile Driving Licence
- eHealth
- Education/Professional Qualifications
- Payments
- Other areas (such as social security and digital travel credentials)

There are **many public and private use-cases** for the EUDI Wallet:

- The Digital Euro
- Replace physical cards such as the student cards and European Health Insurance Card
- Digital Travel Credentials
- Qualified Remote Electronic Signatures
- Authentication to private services such as opening a bank account, applying for a credit card, registering for a SIM card
- Authentication to public services such as requesting birth certificates, medical certificates, reporting a change of address, filing tax returns, applying for a student grant etc.

# European Digital Identity Stakeholders

The revision of the eIDAS regulation and the large-scale pilots aims to kick-start an identity ecosystem in Europe involving both the public and private sectors.

- **Governmental bodies** responsible for either directly issuing EUDI Wallets or providing a mandate/approval for a private sector entity to issue the wallet
- **National agencies** responsible for the policy and implementation of infrastructures and cross-border initiatives such as driver licences
- **Public and private relying parties**, who will be mandated to provide access to their services via the EUDI wallet
- **Attribute/Attestation Providers**, public and private entities who will provide attestations of attributes to the EUDI wallet
- **Wallet users** ie. EU citizens, Business and Residents who will use the EUDI wallet



# Reference implementation of the wallet

## Objectives

- Build reference technical infrastructure to support interoperability and implementation of the European Digital Identity Wallet and its ecosystem
- Support Member States and other stakeholders in developing, implementing and scaling up the European Digital Identity Framework
- Enable piloting of reference wallet and use-cases in national / stakeholder context

## Scope

- First product based on ARF ready by Q2 2023 (Minimum viable product)
- Subsequent releases (e.g. extended functionalities, feedback from pilots)

## Outcome

- Reference Wallet tested, certified and ready for deployment (Q1 2024 tbc)

# Milestones (indicative)

Track	2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Toolbox	ARF Draft Outline	Draft and adoption of ARF first version			Drafting and adoption of new ARF versions			
	● Feb – Outline Published				● End 2022 – ARF v0.1 Published			
2. Procurement of Wallet		Tender			Development MVP Wallet	Releases and Implementation Support		
3. Pilots	Call Launched		Prep Grant Agreement		Piloting (Use Cases)			
	● Feb – Call Open		● Aug – Call Close		● Grant Agreement Signed			
4. Legislative Process					● Council General Approach			
					● Vote in EP			● Adoption
					Trilogues			

## Background documents

**Legislative Proposal** to amend the eIDAS Regulation - [EUR-Lex - 52021PC0281 - EN - EUR-Lex \(europa.eu\)](#)

**Recommendation on a common Union Toolbox** of a coordinated approach towards a European Digital Identity Framework - [A trusted and secure European e-ID - Recommendation | Shaping Europe's digital future \(europa.eu\)](#)

**The Outline of the Architecture and Reference Framework for the European Digital Identity Wallet** - <https://futurium.ec.europa.eu/en/digital-identity>





**Thank you!**