European Commission

Digital Identity
for All Europeans

eID

eID

European Digital Identity Wallet

#DigitalEU
#EUdigitalidentity

Disruptive innovation Conference, Reykjavík

21 September 2023

European Digital Identity Wallet Vision

" **2030 DIGITAL DECADE TARGET**

100 % of Union citizens have access to **secure electronic identification (eID) means** that are recognised throughout the Union, enabling them to have **full control over identity transactions and shared personal data**

"

The ambition: Towards a European Digital Identity

Free to be used by all citizen

Provided by Member States, all EU citizens may use it for free on a voluntary basis

Accepted throughout the Union

Recognised by private and public service providers (relying parties) for all transactions that require authentication

Secure and privacy oriented

Citizens can control and protect their identity, personal data and digital assets

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Functions of the EU Digital Identity Wallet

**Identification/
Authentication**

Disclose identity data required for accessing public and private services (relying parties)

Store and present attestations of attributes

E.g. present educational diplomas/reports for enrolling at university; present your driving license for renting a car

Sign/seal electronically

E.g. sign an employment contract to start a new job; authorise a payment

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What can you do with the EU Digital Wallet?

The EU Digital Identity Wallet will simplify your life and protect your data. It will also improve security and flexibility for governments and businesses when carrying out transactions online. Discover some examples of how it can radically simplify your day-to-day life.

ACCESS GOV SERVICES

Access digital public services (nationally and across borders) by using your wallet to securely identify and authenticate yourself.

MOBILE DRIVING LICENCES

Request a digital version of your driving license. Then always have it ready to share in your wallet.

EDUCATION

Never lose the university diploma you worked so hard for again. Easily store and share your most important education credentials.

HEALTH

Keep your health close at hand. Identify yourself at your pharmacist's and claim your needed prescriptions with just your wallet.

TRAVEL

Store and share key travel documents in your wallet. Prove who you are when booking a hotel online, and then easily check-in once you get there.

ACCESS SOCIAL SECURITY

Keep tabs on your social security information and use your wallet to access the social security benefits you are entitled to.

ORGANISATION ID

Use your wallet to prove who you work for when meeting new and potential clients.

REGISTER SIM

Registering a new SIM card just got easier. Your wallet lets you quickly identify yourself.

OPEN A BANK ACCOUNT

No need to track down to a bank branch. Verify your identity when opening a new bank account with just your wallet.

PAYMENTS

Make your online transactions easier. Use your wallet to identify yourself and authorise payments.

CONTRACTS

Your wallet makes business flow. Sign contracts with just your wallet.
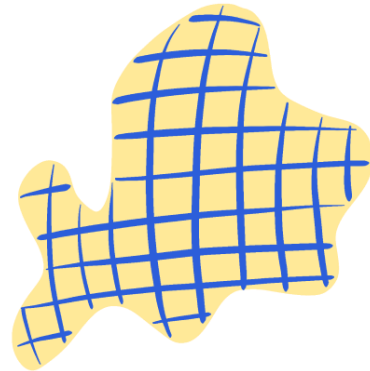
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The benefits

How will citizens, governments, relying parties and society benefit from the wallet? Discover the many benefits of the EU Digital Identity Wallet

CITIZENS

- Easily access public and private services
- Easily sign digital documents
- Protect personal data
- Simplify paperwork and admin

GOVERNMENTS

- Improve access to digital services
- Enhance fraud prevention
- Boost security
- Cost and efficiency gains through a single set of specifications

RELYING PARTY

- Improve security and privacy
- Reduce cost of authentication
- Protect business information from (competing) platforms

Society

- More transactions conducted fully online
- Resources can be allocated elsewhere
- New business opportunities
- Economic Growth

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One set of standards. Many different wallets.

There will not be one EU Digital Identity Wallet, but many, built to one set of specifications, developed and agreed by Member States in close cooperation with the European Commission.

All Wallets will be interoperable and work seamlessly across borders and services.

One set of specifications
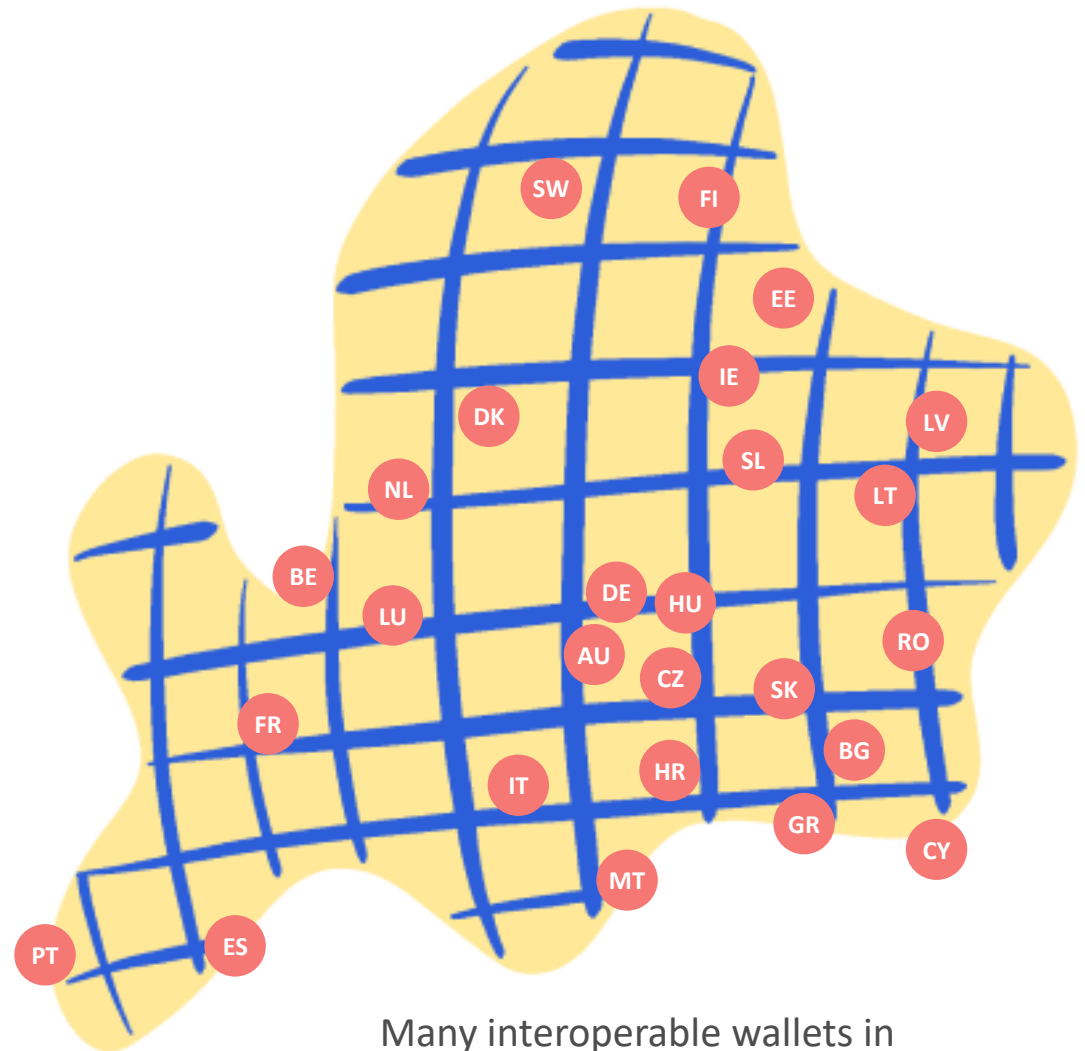
Many interoperable wallets in the EU

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Development of EU Digital Identity Wallet Process

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Four parallel work strands

Legislative Process	Negotiation of the proposal for the revision of the **eIDAS regulation** underpinning the EU Digital Identity Wallet Regulation
Wallet Technical Specifications	Member States and the Commission working on a **common toolbox** consisting of an **architecture and reference framework,** common standards and specifications, guidelines and best practices for the EU Digital Identity Wallet
Large-scale Pilots	**Grants** under the Digital Europe Programme for l**arge-scale pilots around use-cases** for the EU Digital Identity Wallet
Wallet Reference Implementation	A **reference implementation** of the EU Digital Identity Wallet based on the technical specifications agreed by the toolbox.

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Milestones

Legislative Process

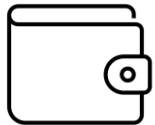Ongoing Co-legislators negotiations

Provisional political agreement on 29 June, revised Regulation expected to be adopted by end of year

Wallet technical specification

First release and continuous updates since February 2023

Latest version of the Architecture Reference Framework (ARF) agreed by Expert group in April 2023, regular updates to continue

Wallet reference implementation

In development since March 2023

First release of libraries and code to be published soon, to be followed by regular releases based on feedback from pilots and updates to the ARF

Large-scale Pilots

1st of April official launch of 2-years piloting

The 4 LSPs are working towards first milestones and deliverables

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The Architecture and reference framework

- The latest version of the ARF represents consensus regarding the fundamental elements necessary for developing an EUDI Wallet prototype

- The architecture is a moving target due to the legislative process still on going

- The document is open and shared on github to collect feedback from stakeholders

- New releases of the ARF with additional specifications will be published on a regular basis

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Reference Implementation

Objectives

- The Commission is providing a reference technical infrastructure to support interoperability and implementation of the EU Digital Identity Framework to be tested in the large-scale pilots

- It will publish open-source code for iOS and android devices to demonstrate the feasibility of the specifications

- The Commission will provide to support to Member States and other stakeholders in developing, implementing and scaling up the EU Digital Identity Framework

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Four Large Scale Pilots

20 countries

56 public and 80+ private entities

Use cases:

Electronic Government services, Bank Account opening, SIM registration, mobile driving licence, Remote Qualified Electronic Signature and ePrescription.

23 countries

36 public and 40+ private entities

Use cases:

Educational credentials and professional qualifications, Portable Document A1 (PDA1), European Health Insurance Card (EHIC).

POTENTIAL
European Consortium for Digital Identity

EWC

DC4EU

NOBID CONSORTIUM

19 countries

18 public and 40+ private entities

Use cases:

Digital Travel Credentials, Payments, Legal persons

8 countries

6 public and 15 private entities

Use cases:

payments use-cases at both a cross-country and cross-sector level with partners coming from both private and public sector

Total budget: >90 Million (50% EU contribution), >250 Participants,

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NOBID Pilot Project

- NOBID is a pilot project involving 6 member states/EEA countries with 25 entities participating

- Led by Norway

- Focused solely on the payment use-case, primarily for the authorisation of payments in account-to-account transaction

- Iceland is involved in NOBID:
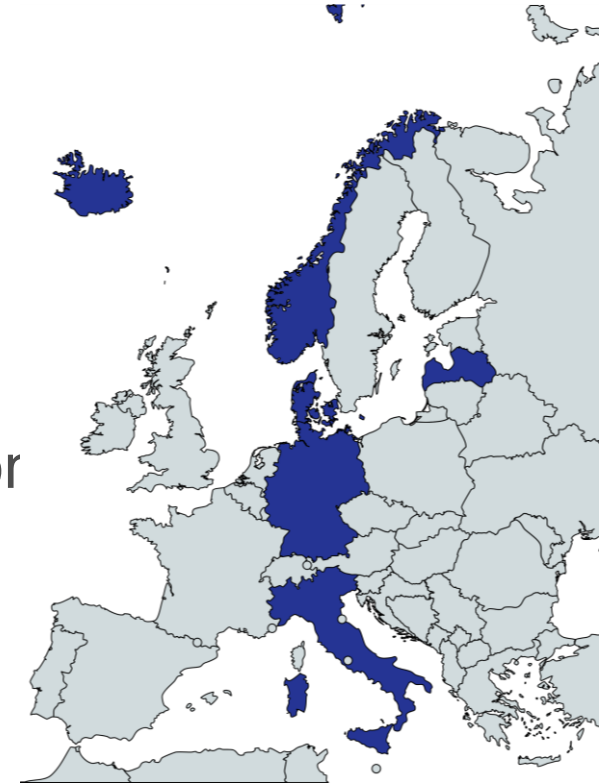
POTENTIAL Pilot Project

- POTENTIAL is a pilot project involving 19 member states and Ukraine with over 140 entities involved

- Co-lead by France and Germany

- Focused on piloting 6 use-cases for the use of the EUDI Wallet

o **Mobile Driving Licences (mDL**) – for online and physical interactions

o **Opening a Bank Account** – to verify a user's identity when opening a bank.

o **SIM Registration** – Wallet to prove their identity in pre- and post-paid SIM card contract registration

o **eSignatures** - provide a secure digital signature when signing contracts online

o **Accessing government services –** to file taxes or apply for supports

o **ePrescription –** identifying and providing details of prescription to a pharmacies

EWC Pilot Project

- EWC is a pilot project involving 18 member states and Ukraine with over 50 entities involved

- Co-lead by Finland and Sweden

- Focused on piloting 3 use-cases:

    - o Payments - store credentials and facilitate payments in account-to-account and card-based transactions

    - o Travelling – quick airplane boarding and quick border crossings (e.g. by a storing Digital Travel Credentials)

    - o Organisational Digital - business-to-government or business-to-business interactions

DC4EU Pilot Project

- DC4EU is a pilot project with 80 relevant institutions from 22 countries backed by 43 public organizations and 49 private entities.

- Spain is the coordinator of DC4EU

- Focused on piloting 2 use-cases;

  o **Freedom of Movement –**social security documents such as European Health Insurance Card

  o **Education/Professional Qualification –** educational qualification or professional

Further Information

Further Information

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

- *On the Toolbox Process*
  https://digital-strategy.ec.europa.eu/en/policies/eudi-wallet-toolbox

- *On the Provisional Political Agreement*
  https://ec.europa.eu/commission/presscorner/detail/en/ip_23_3556

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Thank you!

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The European Digital Identity Wallet is coming

STAY TUNED

EU WALLET