



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 soon 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 and how data is used.



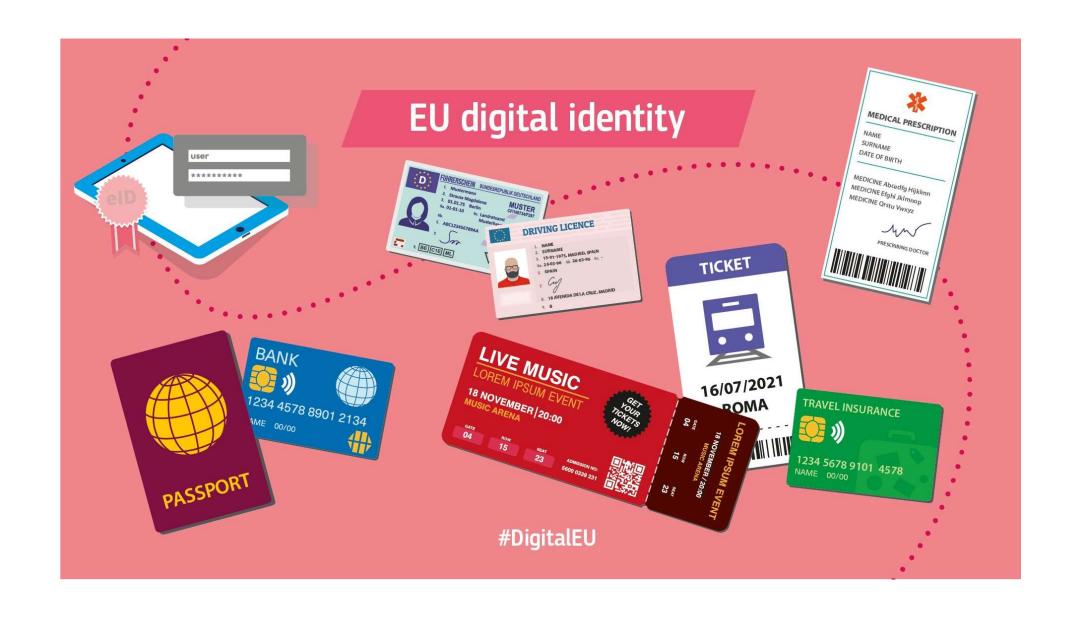


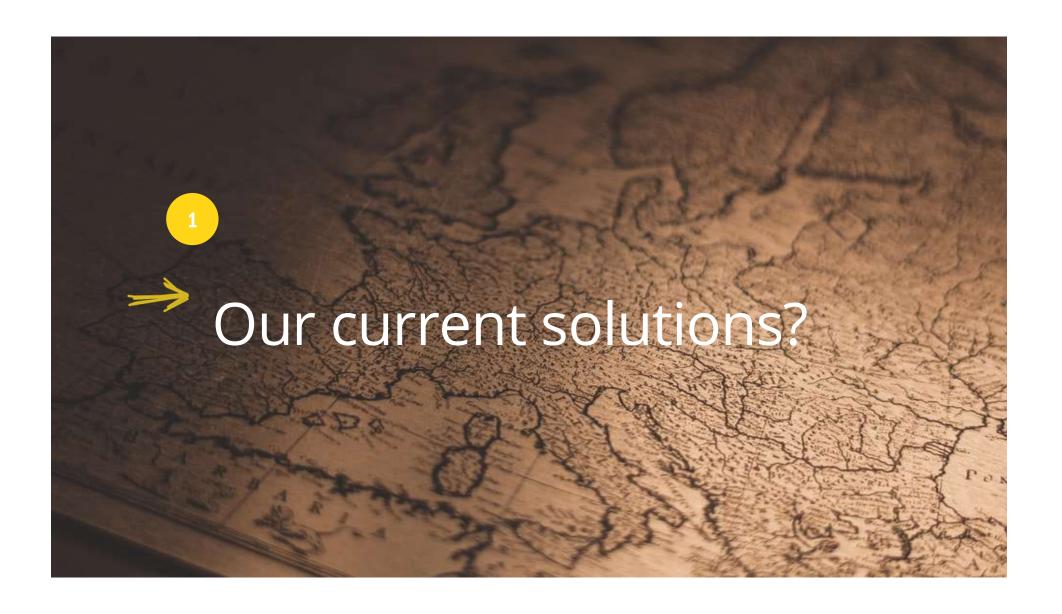
Political focus and key issues of EU digital identity

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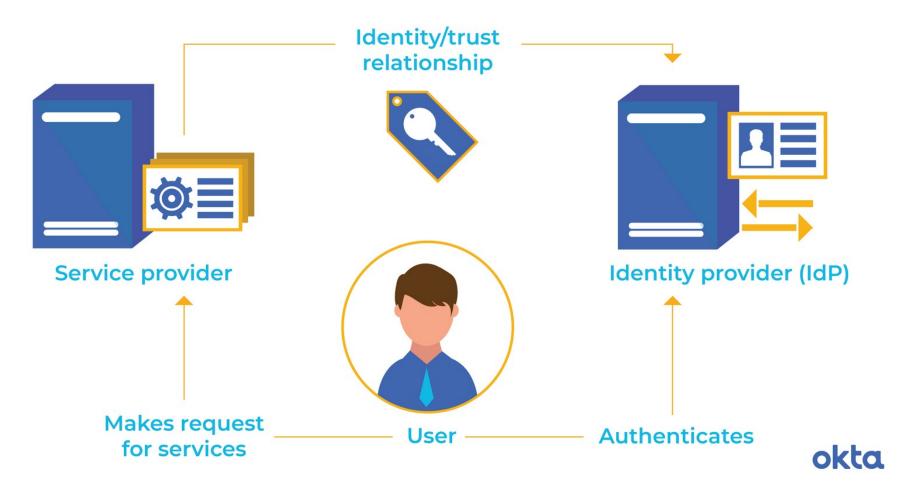




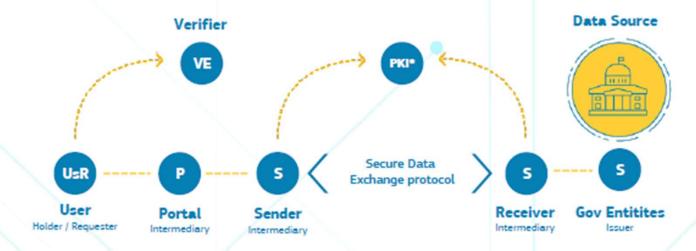




Federated Identity Solutions



The traditional data sharing pattern



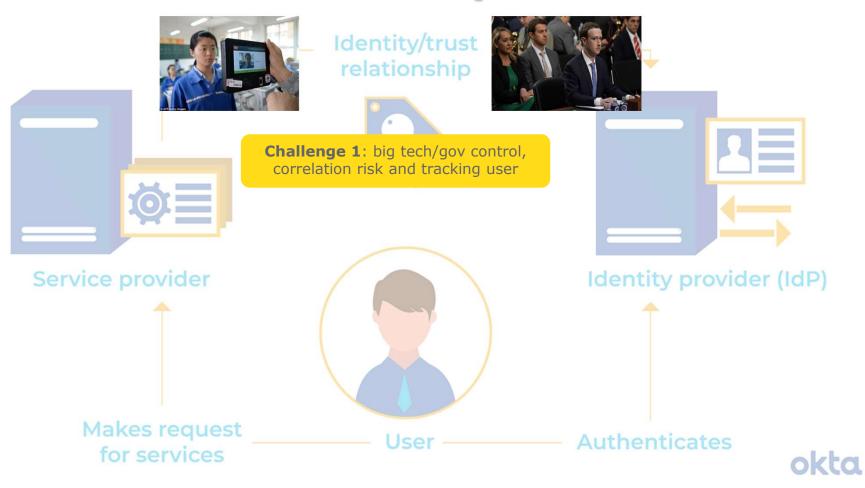
In the classic pattern of information sharing, the citizen, or the verifier of the information, receives the information directly from the authentic source in real time (e.g. a population register, a land register or a business register). This pattern creates and maintains a number of intermediaries that ensure that the exchange of information can be trusted.

For example, to provide digital documents through an online platform, one must use a secure protocol to exchange information with the data source and make sure that the right person receives access to the document. For cross-border exchange of data, these networks get even more complex with the growing number of network participants and intermediaries.



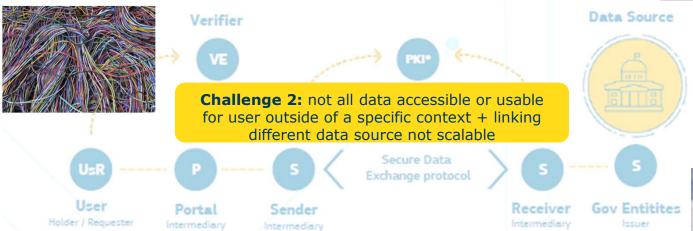


Federated Identity Solutions



The traditional data sharing pattern





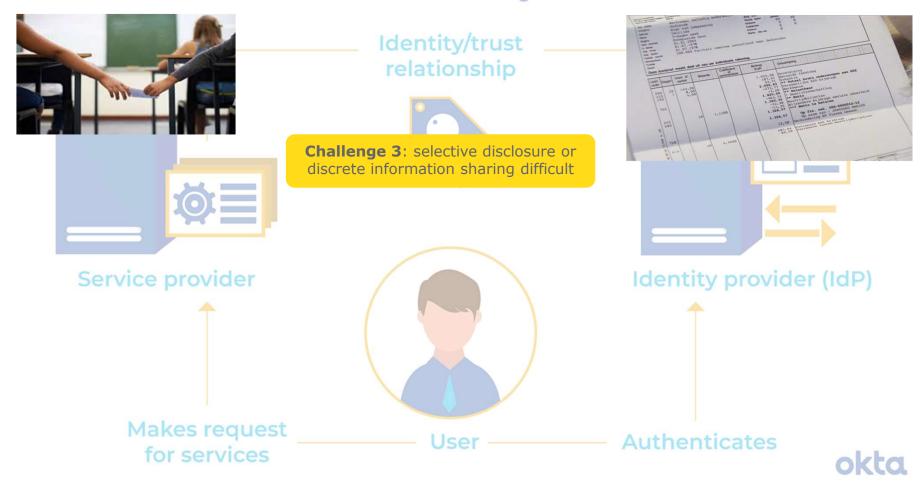
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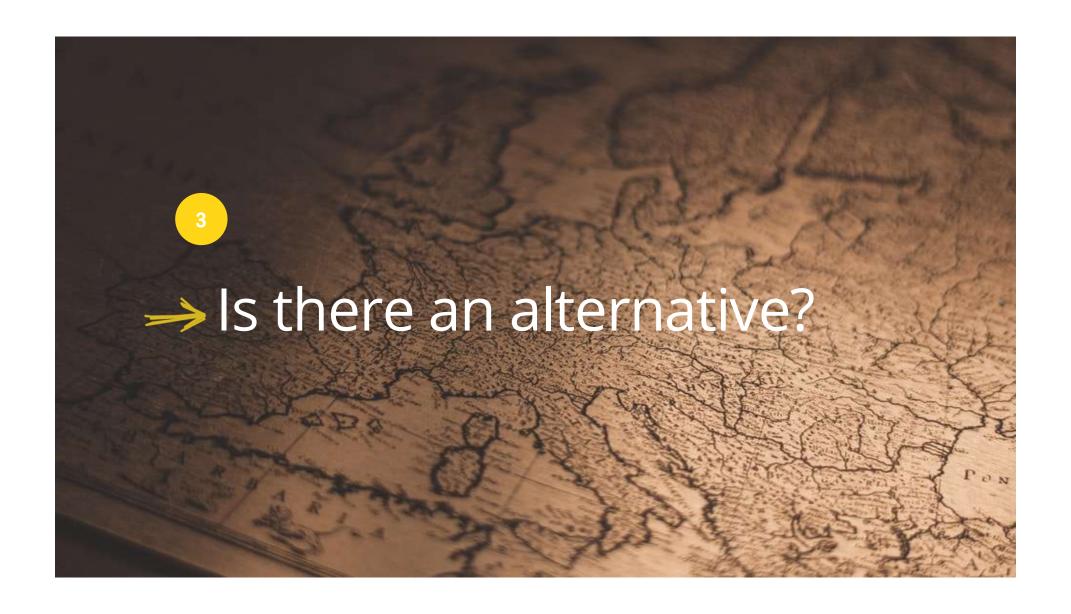


Federated Identity Solutions









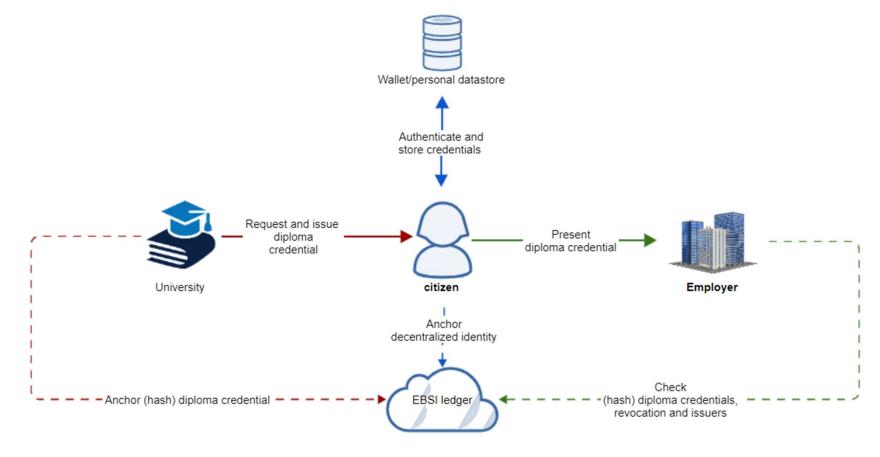




'Self-Sovereign
Identity is the next step
beyond user-centric
identity and that means
it begins at the same
place: the user must be
central to the
administration of
identity.'

Christopher Allen

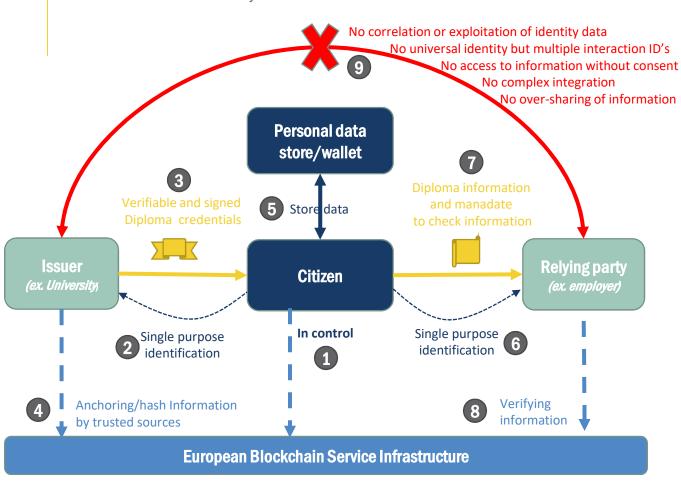




European Self Sovereign Identity Framework

Added value in a decentralized identity context





ESSIF

Added value

- Involvement of Government services and information.
- Linking of decentralized identity with eIDAS and GDPR.
- Providing (multiple) government base identity.
- Single purpose identification.
- Secure trust anchor for issuers and credentials.
- Simplification of public services and access to public information cross border and cross sector.
- Standardisation of digital interactions for citizen in public and private sector.







The European Blockchain
Partnership is a group of 29
countries and the EC. We help public
administrations accelerate the
creation of trustworthy cross-border
digital services.

Currently 27 live Nodes





EBSI supports the creation of cross-border services e.g. for citizens to manage their own identity and educational credentials as well as to notarise documents.



Notarisation of digital information



European Self-Sovereign Identity



Diplomas management



Trusted data sharing

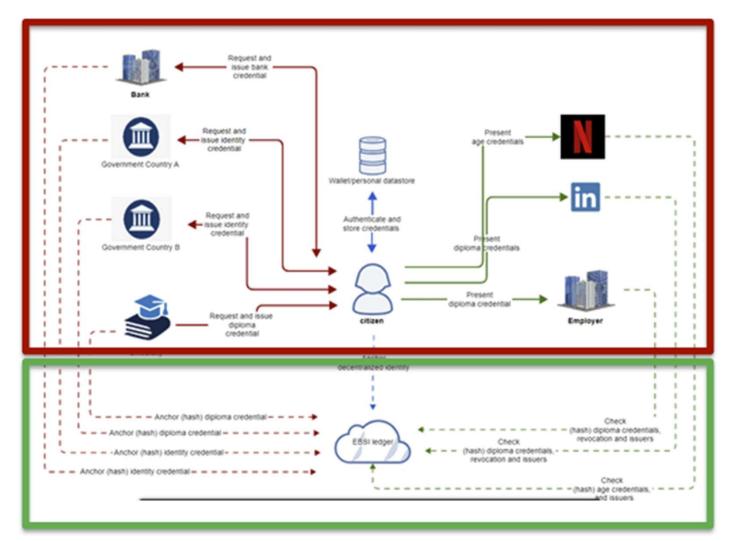
(Reserved for TAXUD's Community at this stage)

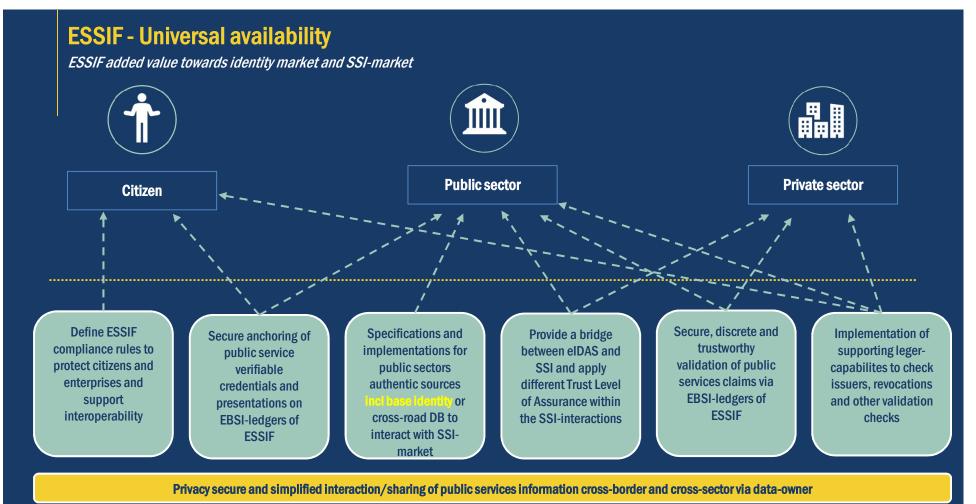
3 new use cases are in initiation phase / design phase SME financing, European Social Security Identification Number, Asylum process management



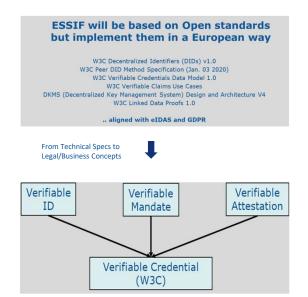
The story of EBSI in a nutshell. From idea to production.

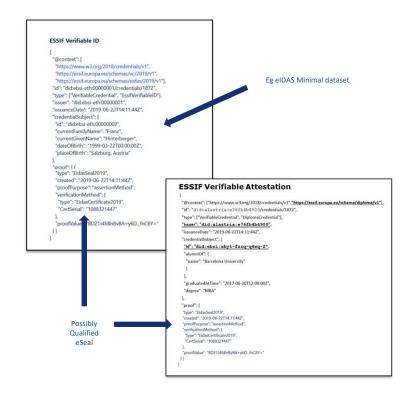






W3C standards we build on





ESSIF - Universal Availability

Transition towards decentralized identity/SSI

Centralized solutions

Identity solutions based on centralized or federated identity systems. Limited user control over data and privacy issues. Cross border and cross border interaction/usage limited. Mainly focus on identification/authentication. Data storage and control in centralized silo's. Read access by owners via portals. eIDAS v1

Example: current national eID's

Hybrid solutions

Mainly centralized systems that use the decentralized capabilities. Verifiable credentials added to eID systems and wallets. Rise of bank or government supported wallets/vaults with greater control by citizens over their data. Handling of multiple identities still problematic. eIDAS v1+

Example: itsme v2 or Swedish bankID v2?

Decentralized solutions

Decentralized ID and data management at very the heart. Full and independent control by owner and full privacy protection. Multiple identity management Interaction cross-border and cross-sector via verfiabiable credentials. eIDAS v2

Example: to be build ...

Centralized Phase ... - 2020

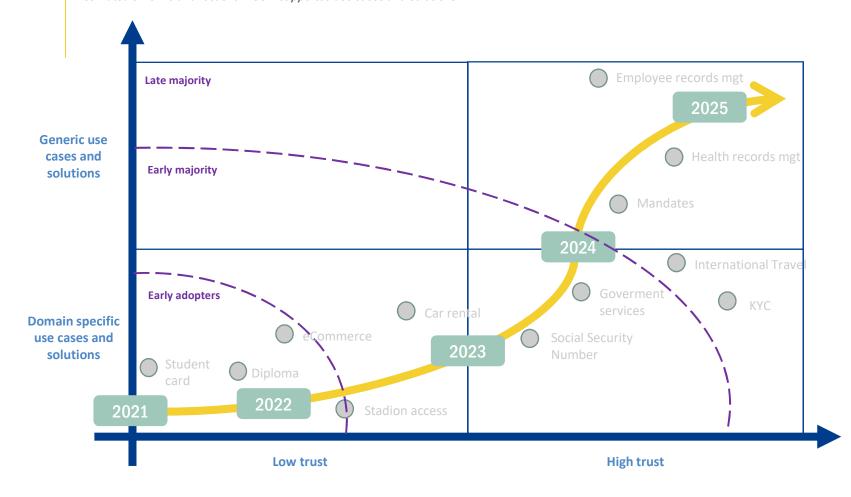
Hybrid Phase 2021-2024

Decentralized Phase 2025-...



ESSIF - Universal Availability

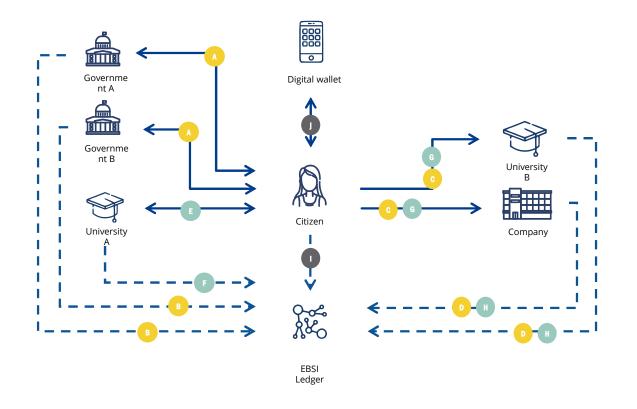
Estimated timeline and focus for ESSIF supported use cases and solutions







EBSI ESSIF and diploma use cases early adopters



Identity

- Request and issue identity credential
- Store evidences* of issuance (of identity credential)
- (Present identity credential)
- Check identity credential
- Anchor decentralized ID

Diploma

- Request and issue diploma
- Store evidences* of issuance (of diploma credential)
- Present diploma credential
- H Check diploma credential

Wallet

Authenticate and store credentials



31

Where are we now?

EA programme - Wave 1&2 status of Member state projects

Wave 1

From April until now

10

Projects/MS started to experiment with EBSI by taking part in the Wave 1 of the EA Programme. Today, these projects are all almost in the "build"

Wave 2

From July until now

18

Projects started to experiment with EBSI by taking part in the Wave 2 of the EA Programme.
Today, these projects are all almost done with the "discovery" phase.
Discover - **Design** - Build

Together

Multi-university pilot

22

We launched the MU pilot and invited all projects to take part in it. Today, 22 projects from both waves (14 projects from Wave 2) are ready to start the "design phase" of the MU pilot.

Discover – **Design** – Build



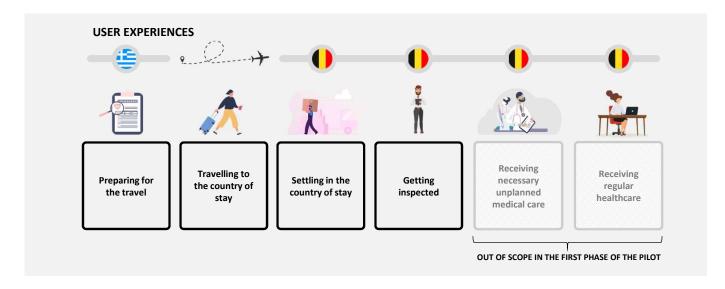


Posted Worker's To-Be Journeys





Georgios is an employee of a construction company in Greece. His company is sending him to a site in Belgium for a duration of 1 year.



Focus on:

- 1. Issuance of PDA1
- 2. Verification of PDA1

Member States involvement



NINE MEMBER STATES ARE ALREADY CONTRIBUTING TO THE PILOT



PARTICIPATION TO BE CONFIRMED











Germany and Spain and join forces on the development of a cross-border, decentralised digital identity ecosystem





Pressemitteilung 277

Donnerstag, 29. Juli 2021

Presse- und Informationsamt der Bundesregierung (BPA)

Apple announces first states signed up to adopt driver's licenses and state IDs in Apple Wallet

Arizona, Connecticut, Georgia, Iowa, Kentucky, Maryland, Oklahoma, and Utah are among the first states to bring state IDs and driver's licenses in Wallet to their residents







Connect. Make. Grow.

Join the ESSIF ecosystem and create value by connecting million of Europeans

See

https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/ebsi