

# Exchange of Verifiable Credentials with EBSI

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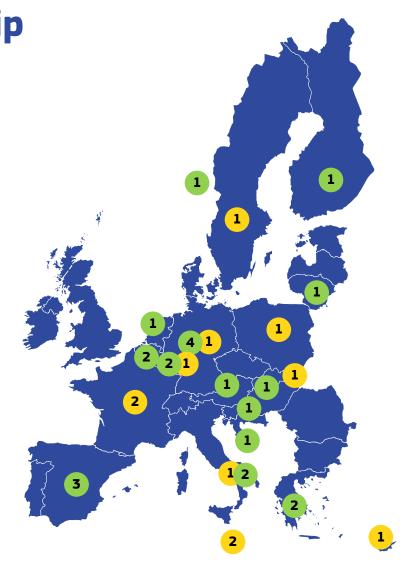
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Pierre MarroJoao Rodrigues FradeDG CNECTDIGIT

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.

Having this opportunity in mind, the EBSI (European Blockchain Services Infrastructure) has been developed. **Our vision is to accelerate the creation of cross-border services and put blockchain at the service of public administrations for the purpose of verifying information, making the services trustworthy**.

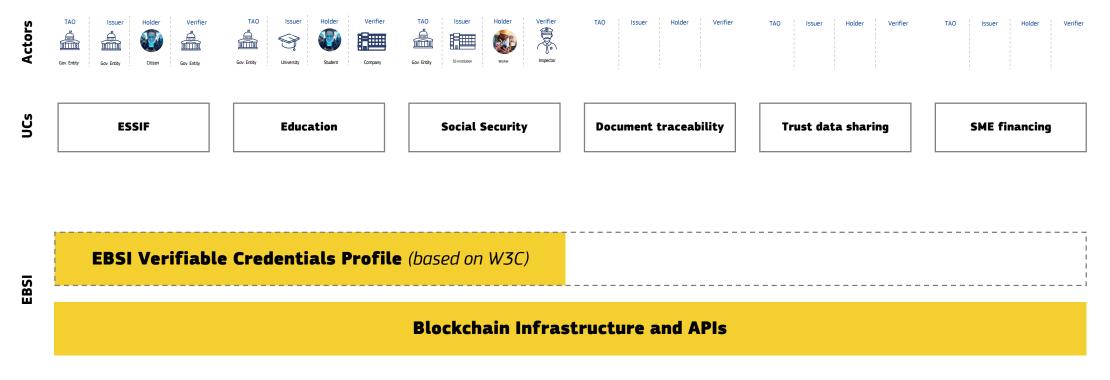
EBSI is the first EU-wide blockchain infrastructure, driven by the public sector, in full respect of European values and regulations. EBSI is supported by 29 countries (All EU Member States, Norway and Lichtenstein) and the EC forming the European Blockchain Partnership (EBP).





# What is **EBSI** today?

EBSI is user centric, decentralised and reusable in multiple contexts and use cases. It is based on open standards to stimulate interoperability and the creation of cross-border public services



#### EBSI has now **38 nodes** in **21 countries**



## A ready-to-use infrastructure

Overview on the work that has been done so far





# DIGITAL WALLET

Not just a folder...

Allows to securely store verifiable credentials



a new paradigm...

# Verifiable CREDENTIALS

Impossible to fake, easy to verify



High level of certainty that the issuer is trusted alongside the time of issuance



High level of certainty that the holder is the one that the Verifiable Credential was issued to



The holder keeps data control and ownership



EBSI understands the importance of...



# **STANDARDS**

If everyone goes for a different standard or creates their own spec the wallet providers would have to bear the costs or a single dominant player will emerge



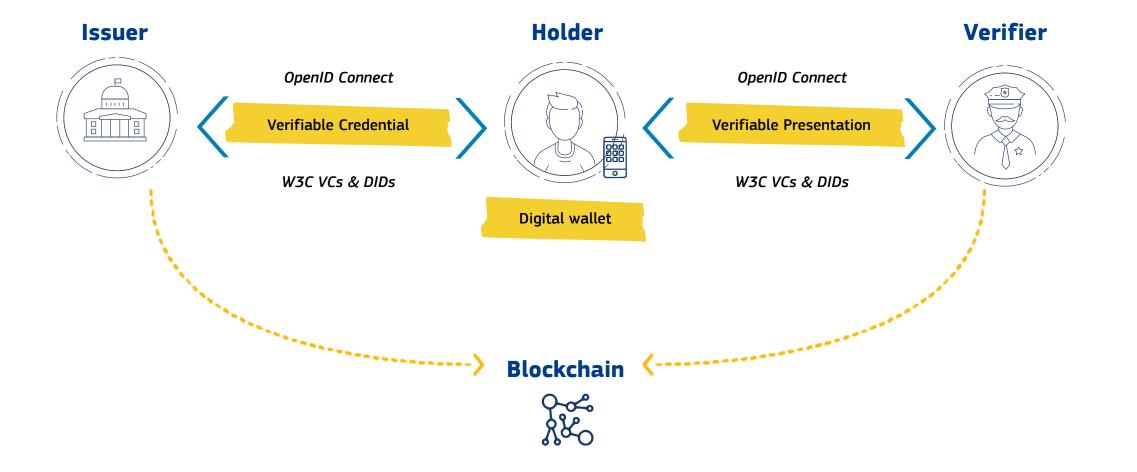
W3C VCs & DIDs



OpenID Connect



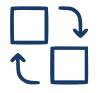
#### How it works





# **EBSI supports Early Adopters**

What are the services we provide to support to the Early Adopters? Current focus on digital credential



EBSI's Verifiable Credentials Lifecycle for Early Adopters

Navigating EBSI's Verifiable Credentials Profile

<u>Verifiable Credentials Lifecycle - Blockchain Internal - CEF</u> <u>Digital (europa.eu)</u>



EBSI Verifiable Credentials Playbook for Early Adopters

Creating EBSI's Verifiable Credentials Profile

<u>RFC - EBSI Verifiable Credentials Playbook for Early Adopters -</u> <u>Blockchain Internal - CEF Digital (europa.eu)</u>



EBSI Wallet Conformance Testing for Early Adopters

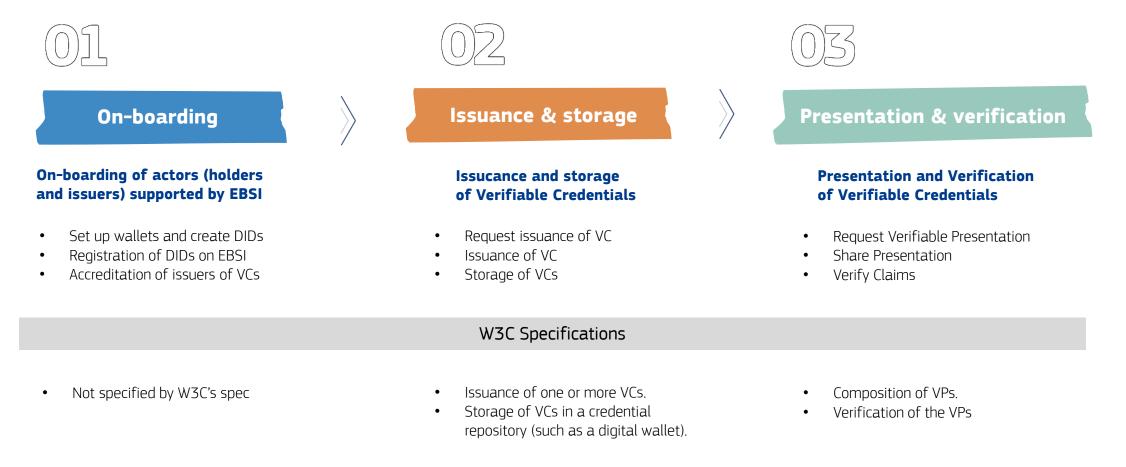
Checking the conformance of your wallet to EBSI

Coming soon



# Simple Conformance Testing covering the whole lifecycle

Lifecycle based on W3C specifications





## **Early Adopters Multi-University Pilot**

We are already busy implementing the vision Will you join us?



