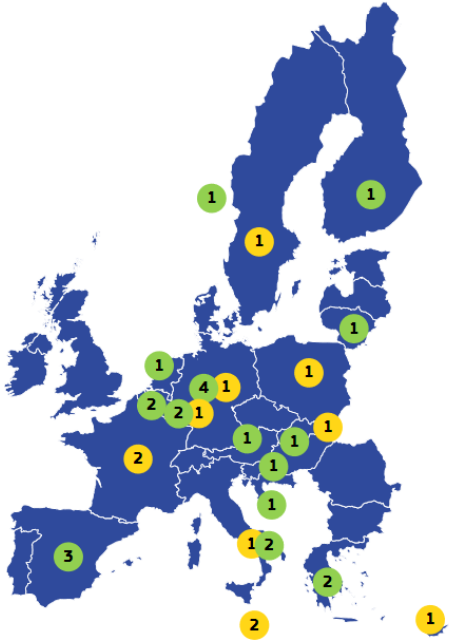# European Blockchain Services Infrastructure

Digital Skills Call – Info Day

What is EBSI

- European Blockchain Partnership (EU 27 + Norway, Liechtenstein, Ukraine as observer)

- Cross border public services

- Moving now to production (with pilot/pre-prod and production environments)

- Use Cases include educational credentials (diplomas) as part of a more generic Trust model to exchange verifiable credentials
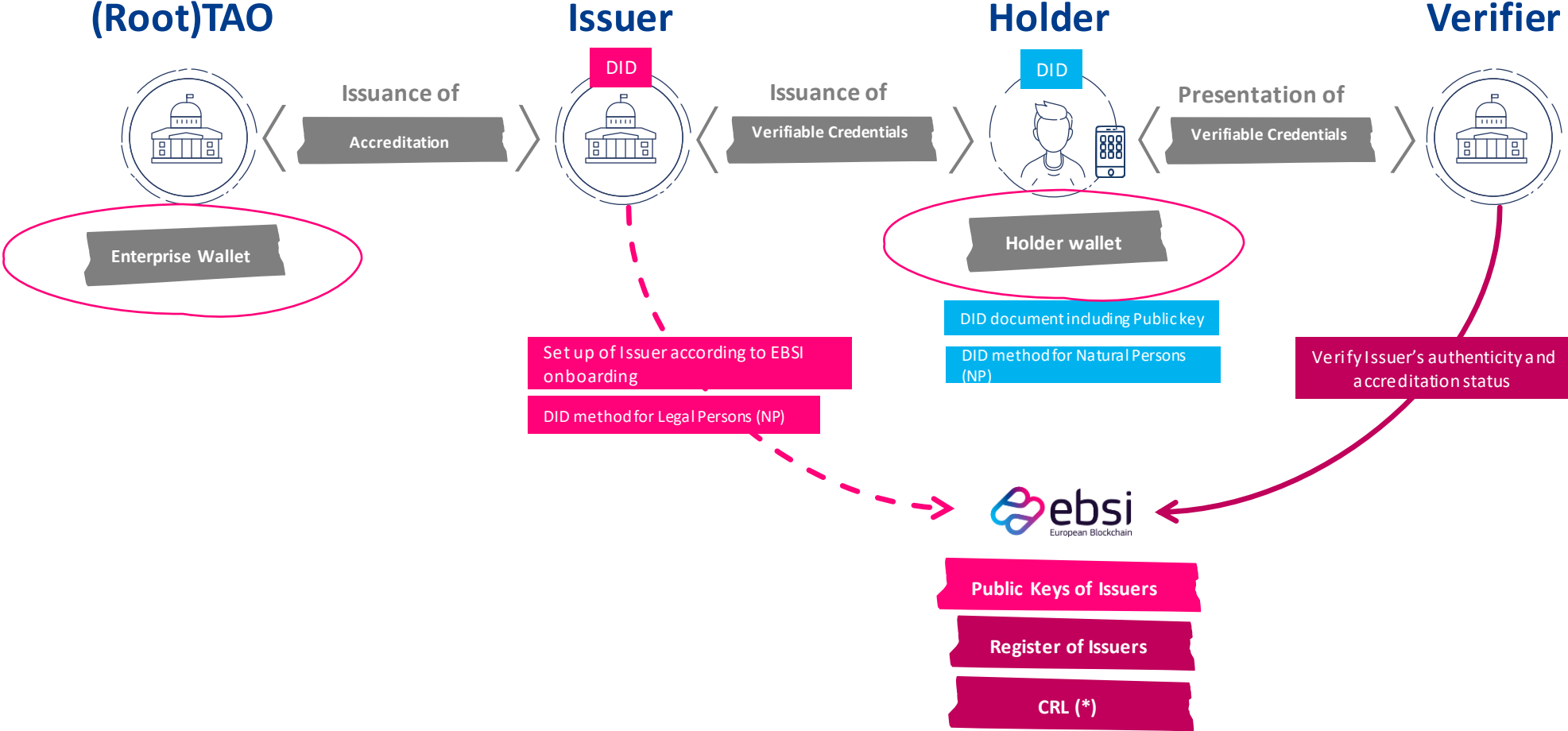
EBSI and verifiable credentials

What is EBSI?

EBSI is making information easy to verify and almost impossible to fake

The EBSI digital verifiable credential model?

(Root)TAO — Enterprise Wallet

Issuer — DID

Holder — DID

Verifier

Issuance of **Accreditation**

Issuance of **Verifiable Credentials**

Presentation of **Verifiable Credentials**

Holder wallet

DID document including Public key

DID method for Natural Persons (NP)

Set up of Issuer according to EBSI onboarding

DID method for Legal Persons (NP)

Verify Issuer's authenticity and accreditation status

ebsi
European Blockchain

Public Keys of Issuers

Register of Issuers

CRL (*)

USAGE/DOCUMENTATION: EBSI Explained

New Educative materials in the EBSI Explained series on the website. Release Chapter 3, 4, 5 and 6.

6th June — 251 reactions

7th June — 126 reactions

14th June — 95 reactions

20th June — 97 reactions

04th July — 102 reactions

28th July — 86 reactions

16th September — 108 reactions

COMING SOON
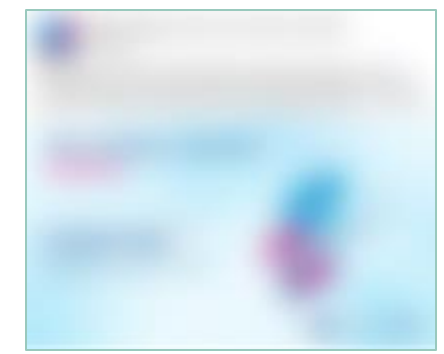
EBSI: Get inspired

Get inspired with our 6 success stories

Since 2018, the European Commission and the European Blockchain Partnership have been building the European Blockchain Services Infrastructure (EBSI) to deliver cross-border services for public administrations. Our piloting use case, Diploma, has been elaborated and is now ready for adoption. Get inspired by our success stories.

1/6

Transcript of Records

A student gets a master diploma after receiving a transcript of records validated by Erasmus.

Read the full story →

2/6

Bachelor/Master Degree

A student applies for a PhD with a bachelor/master degree from a foreign country.

Read the full story →

3/6

Municipality Credentials

A student gets access to local discounts using municipality credentials based on a European student card.

Read the full story →

EBSI: Join the community

How can you join the EBSI ecosystem?

As a **trusted accreditation organisation**

National authority

You can become a trusted accreditation organisation and / or issuer of verifiable IDs.

As a **holder**

Student

You can join the group of beta users.

As an **issuer**

University   Professional associations or chambers

You can become an issuer of the proposed educational credentials or implement other credential to enrich the service.

As a **verifier**

Employer

You can join and adopt such solution in the context of your recruitment process and significantly reduce your verification costs.
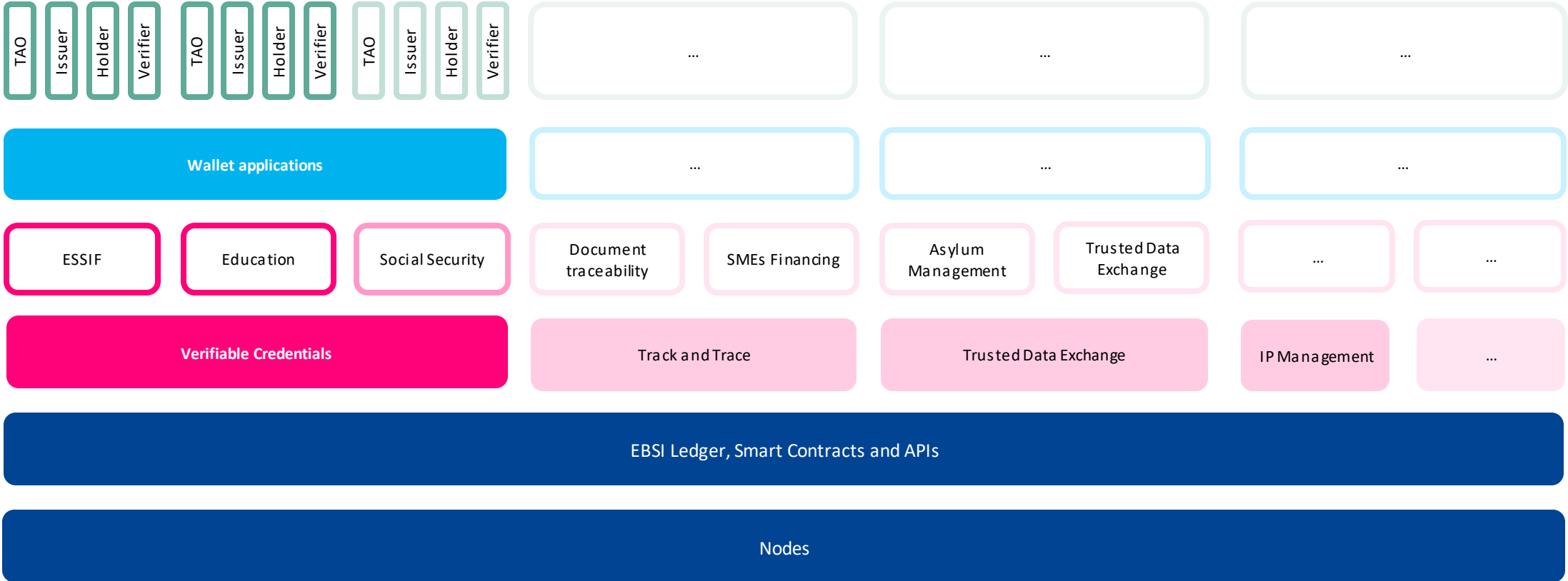
As a **wallet provider**

IT service provider

You can turn your wallet into an EBSI conformant wallet and build a pan-European wallet ecosystem.

What is EBSI today?

Progress on all layers of EBSI

■ EBSI Stakeholders   ■ Wallet Conformance Testing   ■ Use Cases   ■ Technical Services and Infrastructure

TAO	Issuer	Holder	Verifier	TAO	Issuer	Holder	Verifier	TAO	Issuer	Holder	Verifier	...	...	...	Actor

Wallet applications	...	...	...	Applications

ESSIF	Education	Social Security	Document traceability	SMEs Financing	Asylum Management	Trusted Data Exchange	...	...	UC Domain

Verifiable Credentials	Track and Trace	Trusted Data Exchange	IP Management	...	UC Family

EBSI Ledger, Smart Contracts and APIs

Nodes

EBSI: https://ec.europa.eu/digital-building-blocks/wikis/display/ebsi/

Diploma Use Case: https://ec.europa.eu/digital-building-blocks/wikis/display/EBSI/What+is+ebsi#anchor-ebsi-use-cases

EBSI Verifiable Credentials Playbook: https://ec.europa.eu/digital-building-blocks/wikis/display/EBSIDOC/

Early Adopters Programme: https://ec.europa.eu/digital-building-blocks/wikis/display/EBSI/Early+Adopters+Programme

Contact: CNECT-EUBLOCKCHAIN@ec.europa.eu