

Webinar Series: Trace4EU - Innovative Solutions for Traceability in Europe

Webinar 3
9th July, 2025



Co-funded by
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Agenda

Introduction	9:00 – 09:10
WP 5 Demonstrators	
Academic Publishing	09:10 – 09:25
ERD	09:25 – 09:40
Open Rights Data Exchange (ORDE)	09:40 – 09:55
Discussion	09:55 – 10:30

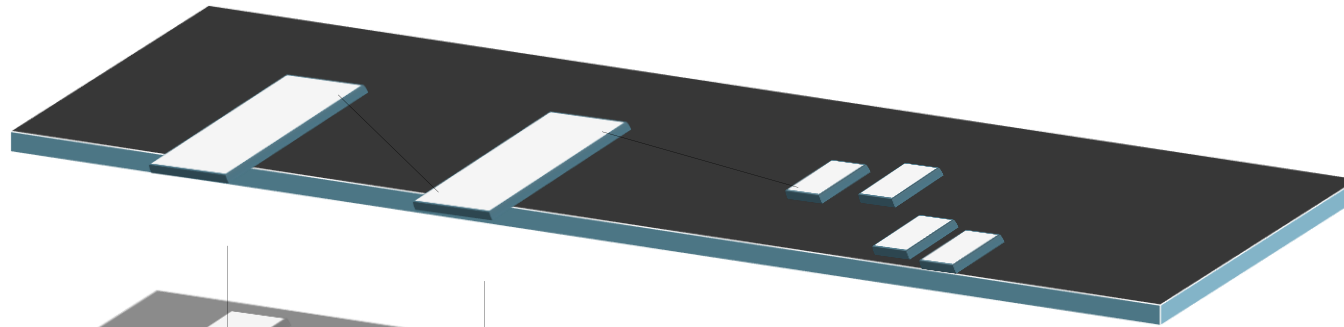
Each use case has a 15 minutes time slot. Please ask questions about each use case at the final discussion round.

Introduction EBSI

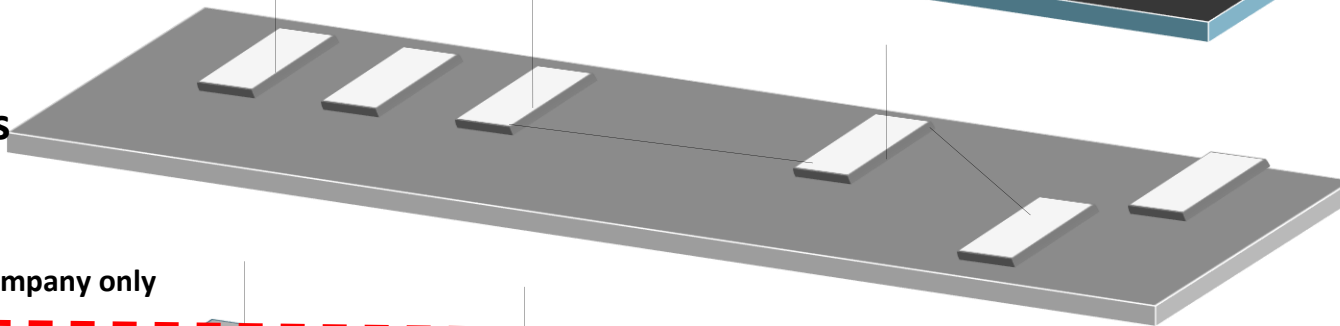


EBSI is public good provided by Member states to combine identity and transaction on governmental trust – clear liability, full certification and integrated in eIDAS

User

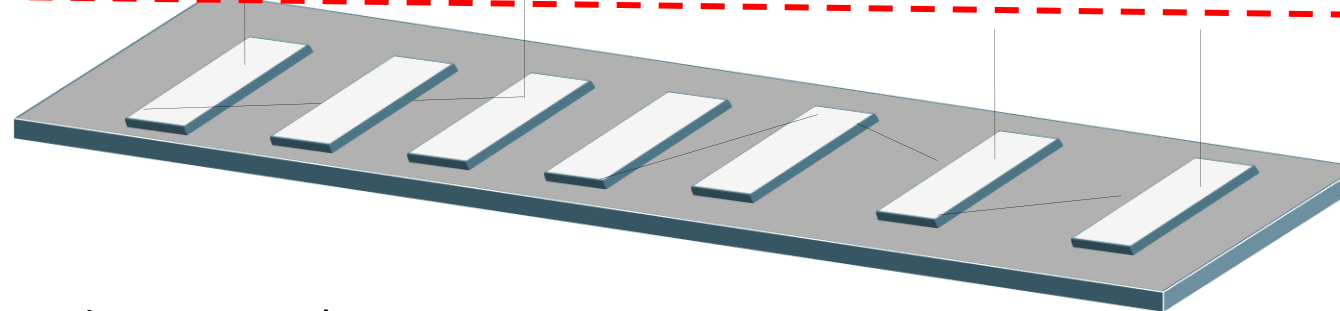


Trust Services, Wallet Providers,
Other private companies



Typically: user depend on private company only

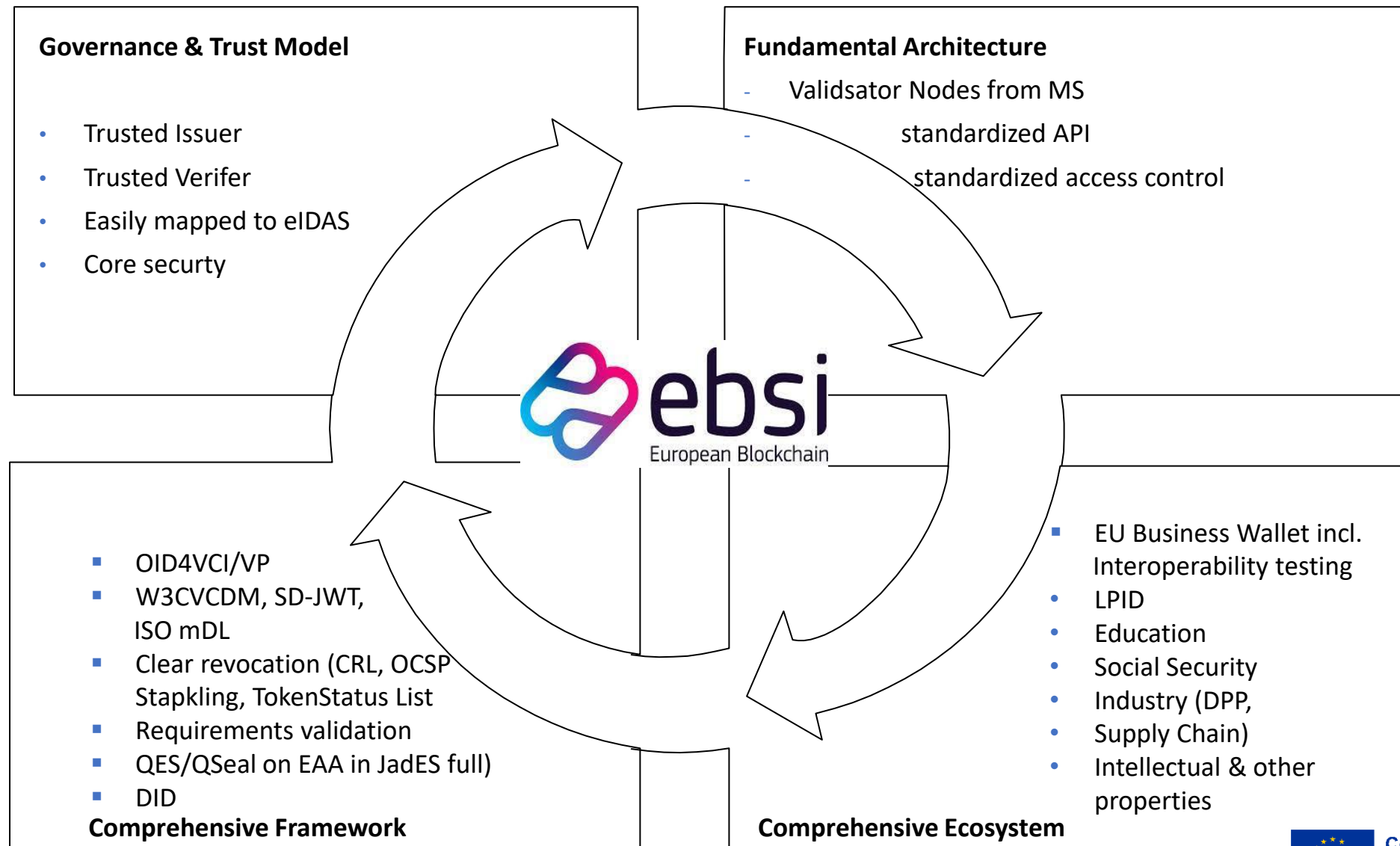
Infrastructure



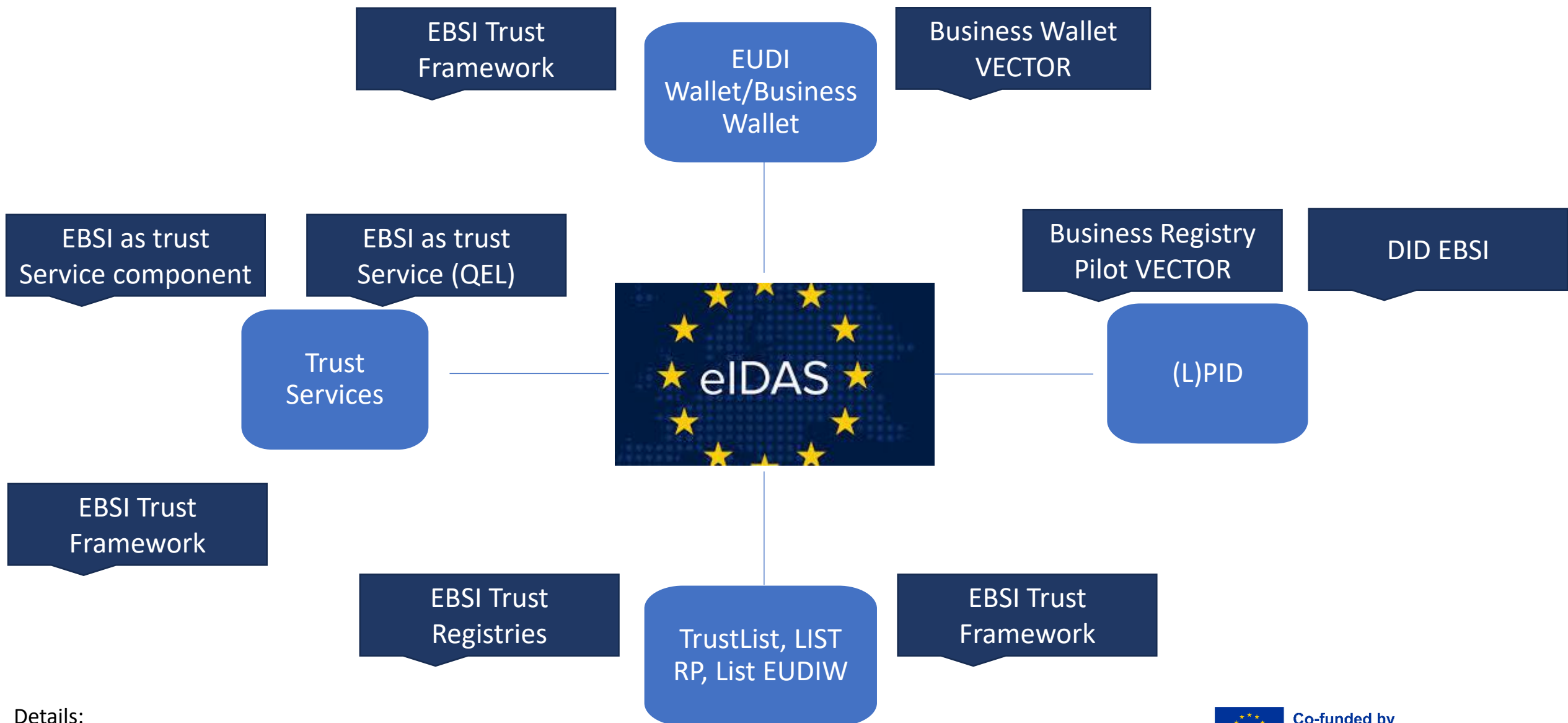
user depend on governmental trust not private company only

- Relying Parties
- Wallet user
- Supervisory Bodies
- QTSP for Ledger
- QTSP using Ledger
- Wallet Provider
- TrustList Provider
- Certification by CAB, liability acc. eIDAS
- Provided by European Member States only
- Long-Term provability & trust

EBSI provides comprehensible governance and framework to shape eIDAS ecosystem



Electronic Ledger and EBSI within the eIDAS ecosystem



Details:

<https://dl.gi.de/server/api/core/bitstreams/07381e35-aa6c-4c92-9c72-b93cf01d8332/content>

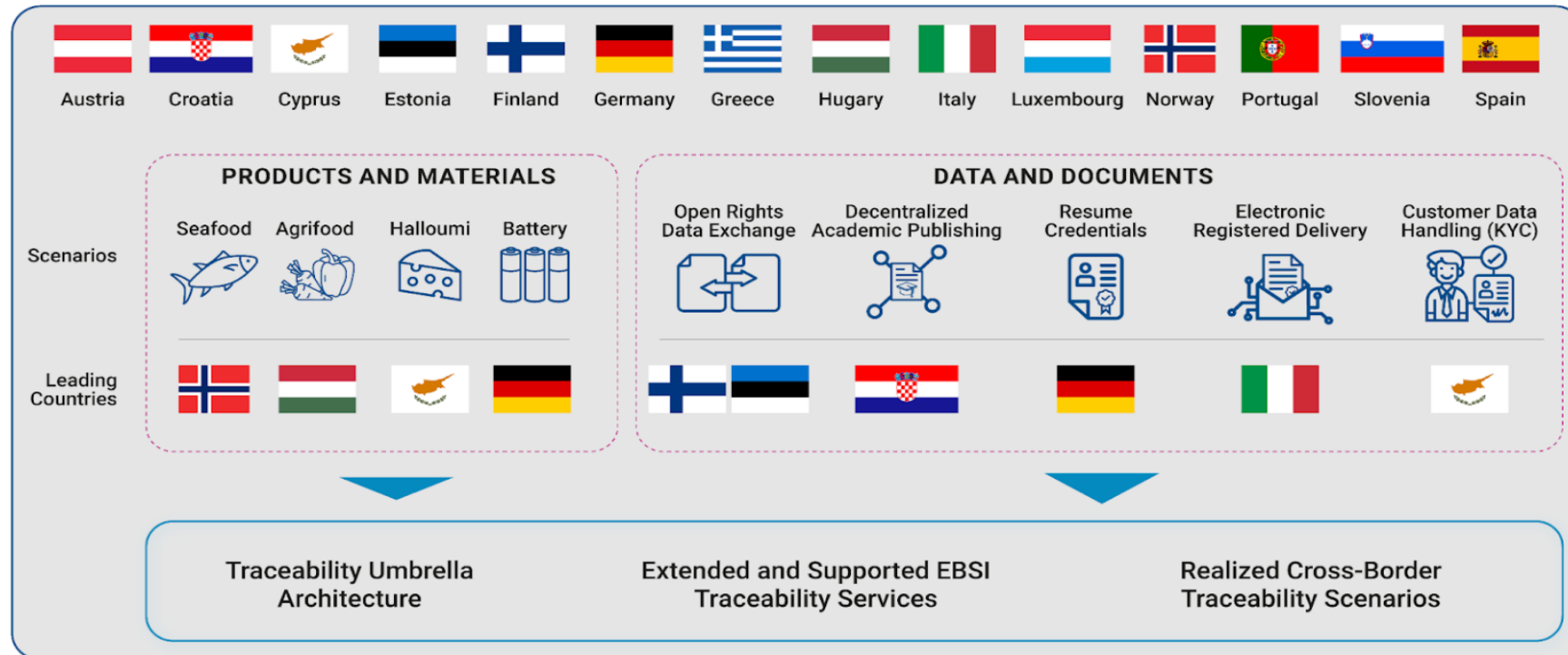


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Project Introduction



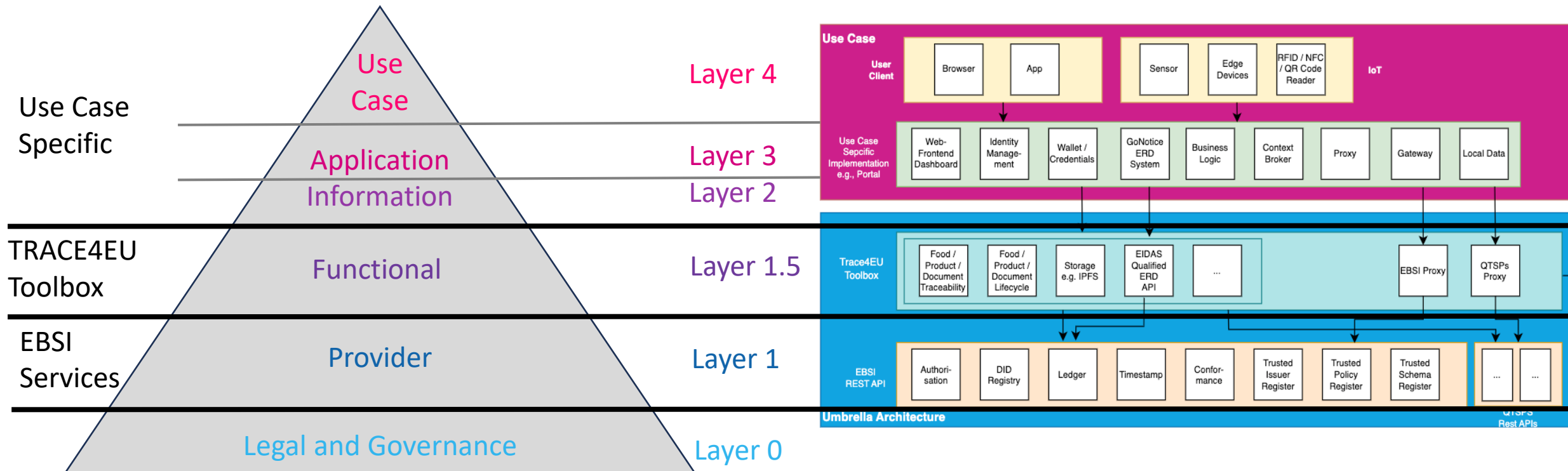
TRACE4EU ensures traceability on products, data and documents accross Europe using EBSI services



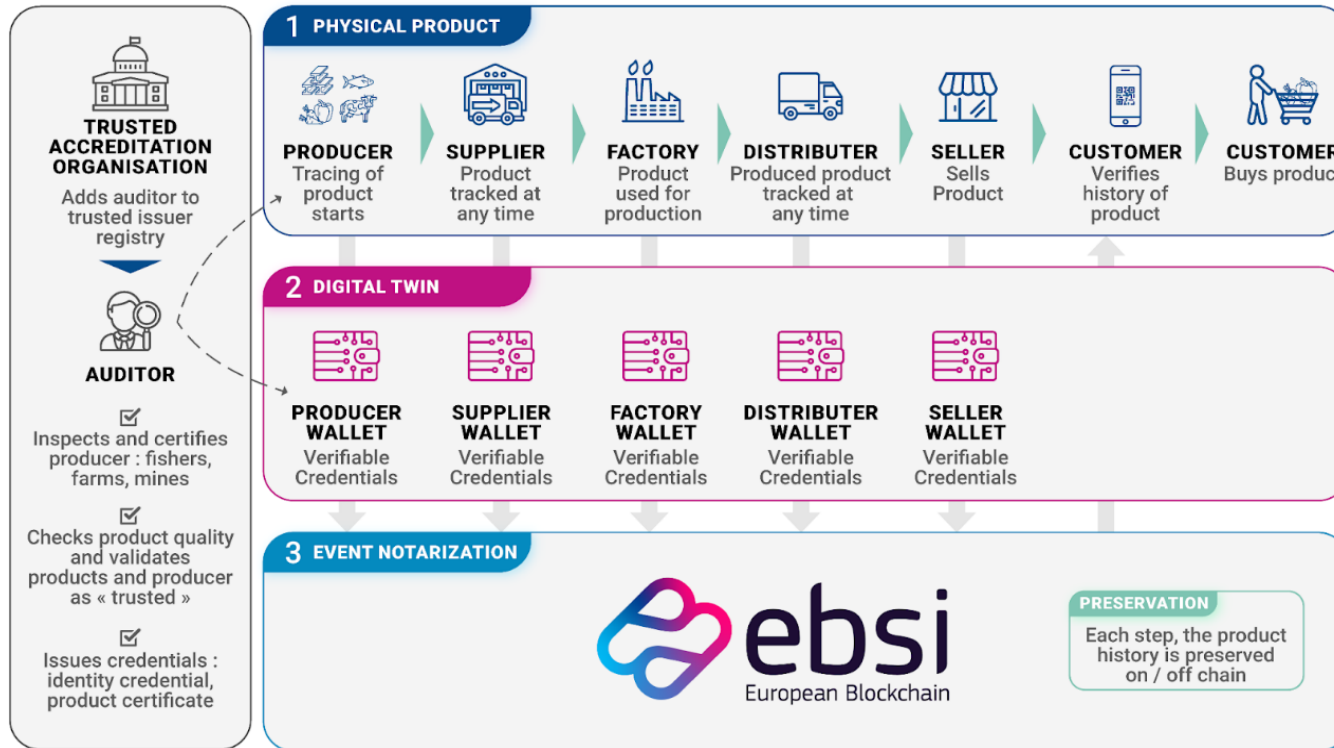
Coordinator: Viky Manaila/Intesi Group

Co-Coordinator: Steffen Schwalm/msg

TRACE4EU Umbrella Architecture for all Use Cases



Application Domain Product Traceability on High Level



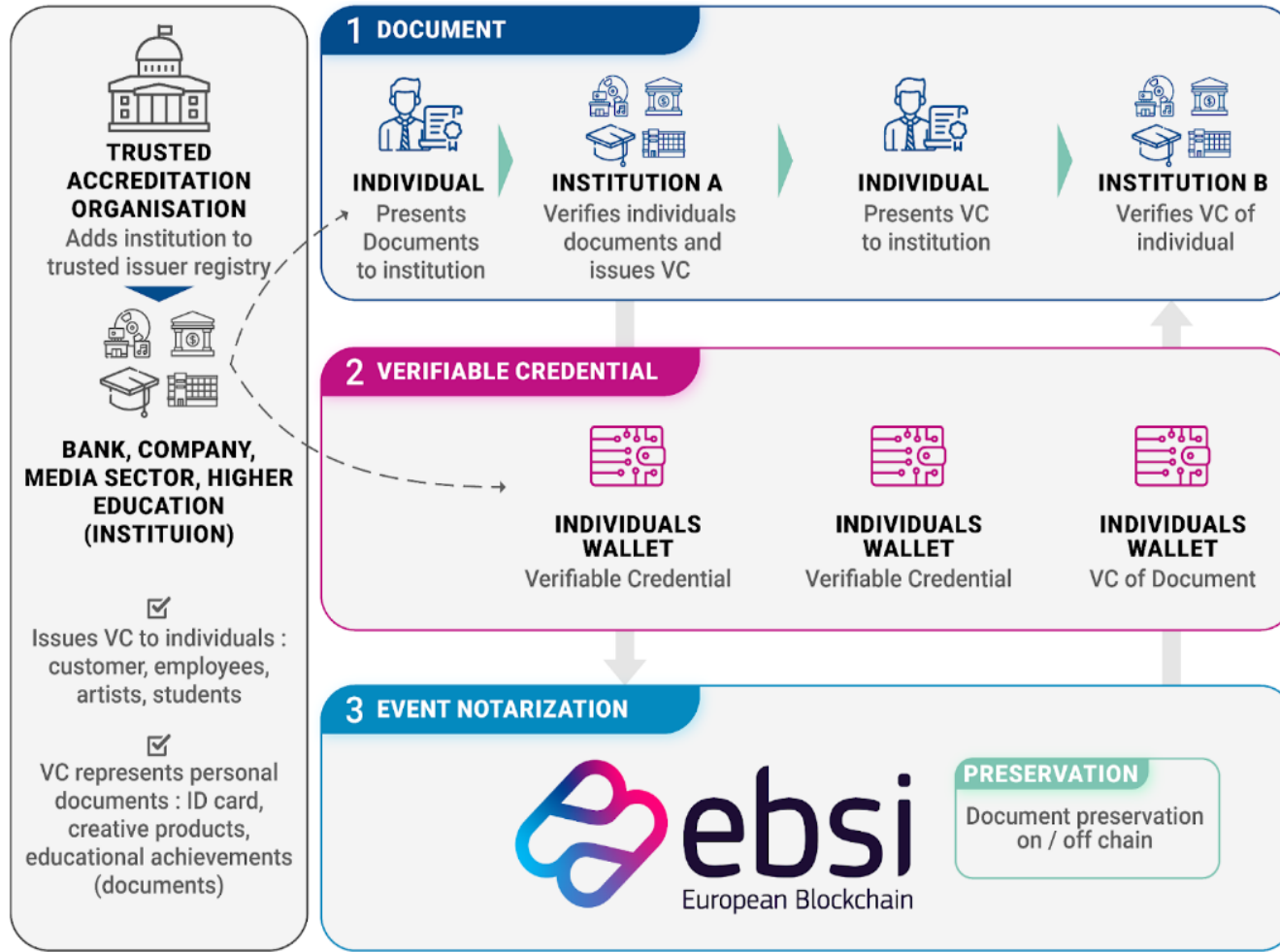
Seafood Tracing Application Scenario

Agrifood Tracing Application Scenario

Materials Tracing Application Scenario
(Digital Product Pass)

Halloumi Cheese (PDO) Tracing
Application Scenario

Application Domain Document and Data Traceability on High Level



Open Rights Data Exchange

Resumé Credentials Application

Democratisation of Academic Publishing - DAP

Electronic Registered Delivery

Know Your Customer

Product-/Material Traceability Demonstrators



Democratisation of Academic Publishing

Contact: Karolj Skala / Viktor Bojovic / Zorislav Šojat, Ruđer Bošković Institute, Zagreb, Croatia

Problem/Challenge

Academic publishing faces challenges such as high costs, slow peer review, and lack of transparency. Researchers, especially those with limited resources, often struggle with expensive publication fees and delayed dissemination of findings. Additionally, the rise of predatory publishing, where untrustworthy journals exploit authors for fees without providing proper peer review, undermines the credibility of scientific communication.

Solution

The Democratisation of Academic Publishing (DAP) platform aims to create a transparent, efficient, and trustworthy publishing ecosystem. It leverages the European Blockchain Services Infrastructure (EBSI) to ensure integrity and trust in the whole process, from paper upload, peer review, up to the publishing, through tamper-proof records. DAP combats predatory publishing by enabling a decentralised, open review process and providing trustworthiness via blockchain, enhancing both transparency and accountability in scholarly communication.

ERD

Contact: Davide Porro, Infocert

See separate presentation on website



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Open Rights Data Exchange (ORDE)

Contact: Philippe Rixhon, Valunode

Problem/Challenge

The creative industries rely on copyright data to protect and monetize their media assets, but trustworthy, interoperable, and machine-readable rights data are barely available across the Digital Single Market.

Solution

EBSI brings trust *via verifiable credentials* and traceability *via immutable timestamped asset declarations* to a global exchange of verifiable copyright data provided as a data intermediation service. Widely adopted identification and metadata standards assure interoperability.

- Valunode uses Validated ID's VIDwallets.
- Valunode's did:ebsi is used to sign asset declarations and issue verifiable copyright credentials (Electronic Attestations of Attributes).
- The asset declaration, binding between declarer's ID and digital asset ID is stored on the EBSI ledger and provides an immutable timestamped link between digital asset and related metadata.

Project results: successful validation of the (1) data model, (2) reliance on verifiable KYC credentials, (3) issuance of verifiable copyright credentials, (4) use of a digital identity wallet, and (5) 3-level data storage; as well as deepening and broadening of technology and business intelligence, and alignment with the needs of prospective customers.

Discussion

