

Webinar Series: Trace4EU - Innovative Solutions for Traceability in Europe

Webinar 2
18th June, 2025



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Agenda

Introduction	9:00 – 09:10
WP 4 & 5 Demonstrators	
Seafood	09:10 – 09:25
Resume Credentials	09:25 – 09:40
KYC	09:40 – 09:55
Discussion	09:55 – 10:30

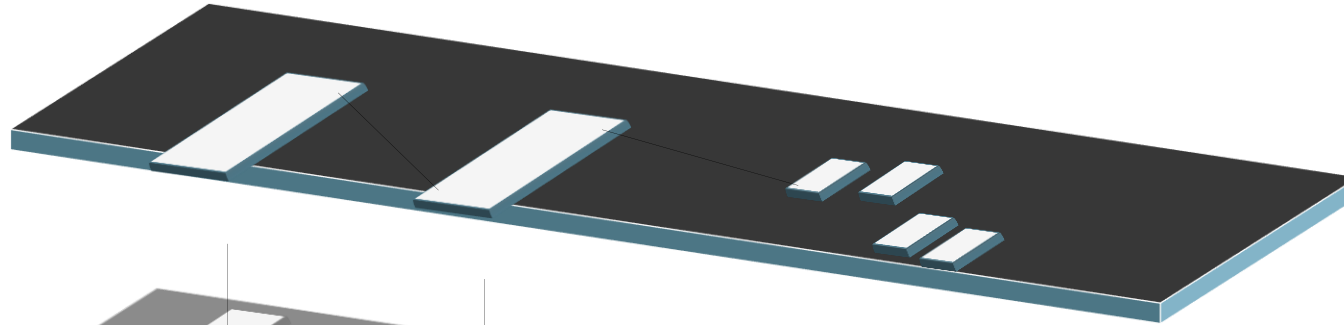
Each use case has a 15 minutes time slot. Please ask questions about each use case at the final discussion round.

Introduction EBSI



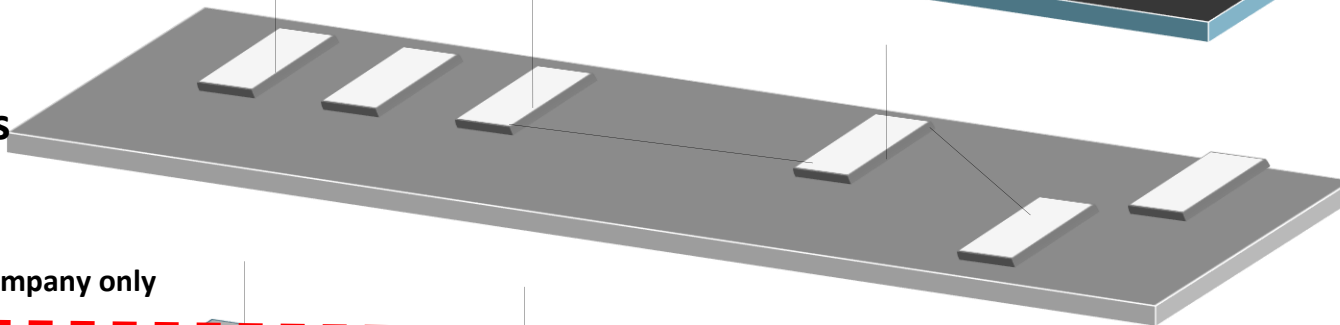
EBSI is public good provided by Member states to combine identity and transaction on governmental trust – clear liability, full certification and integrated in eIDAS

User



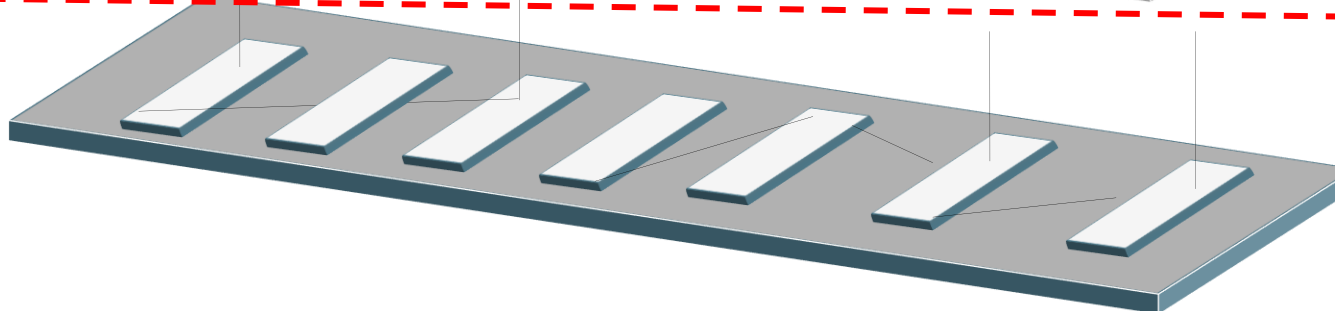
- Relying Parties
- Wallet user
- Supervisory Bodies

Trust Services, Wallet Providers,
Other private companies



Typically: user depend on private company only

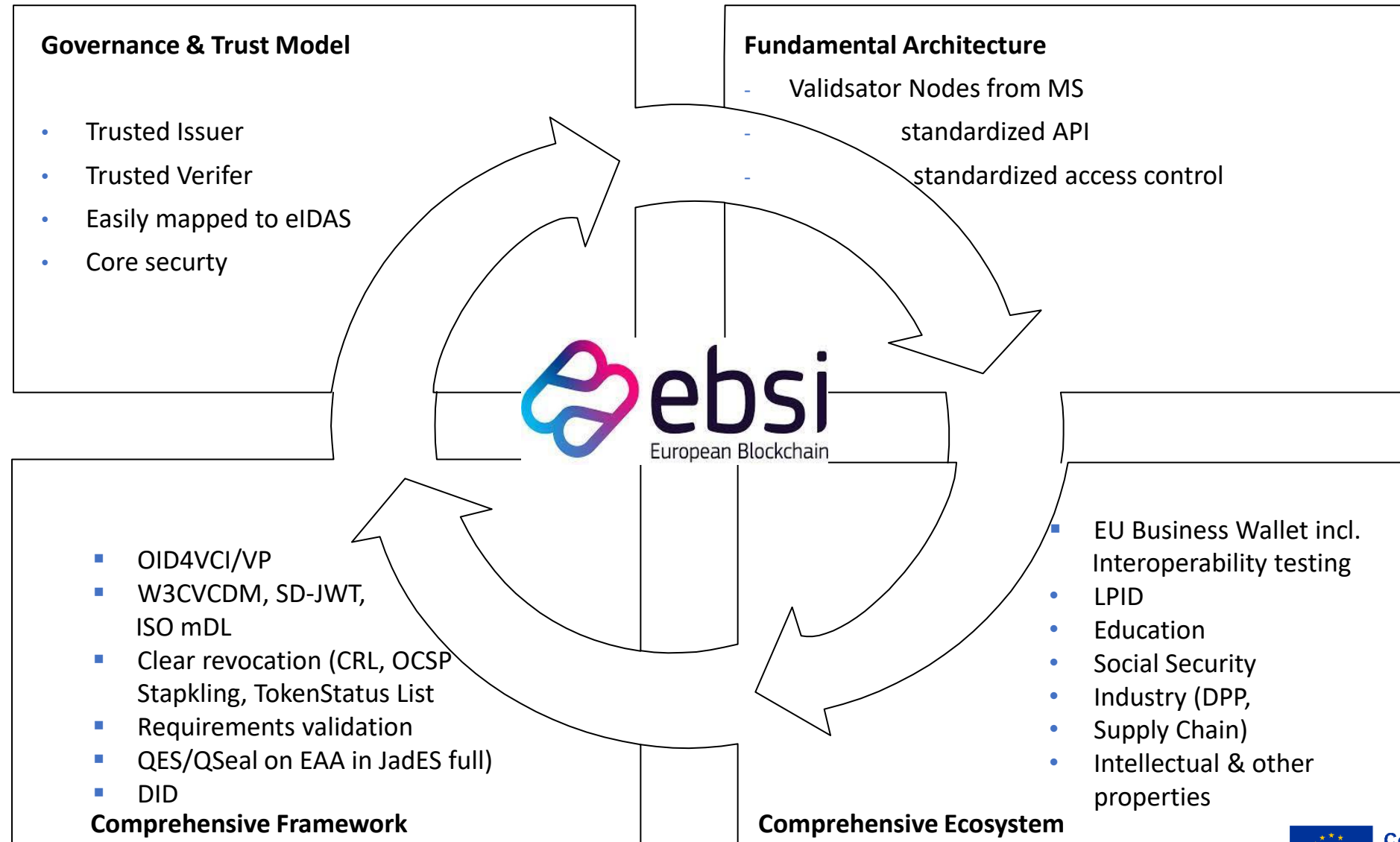
Infrastructure



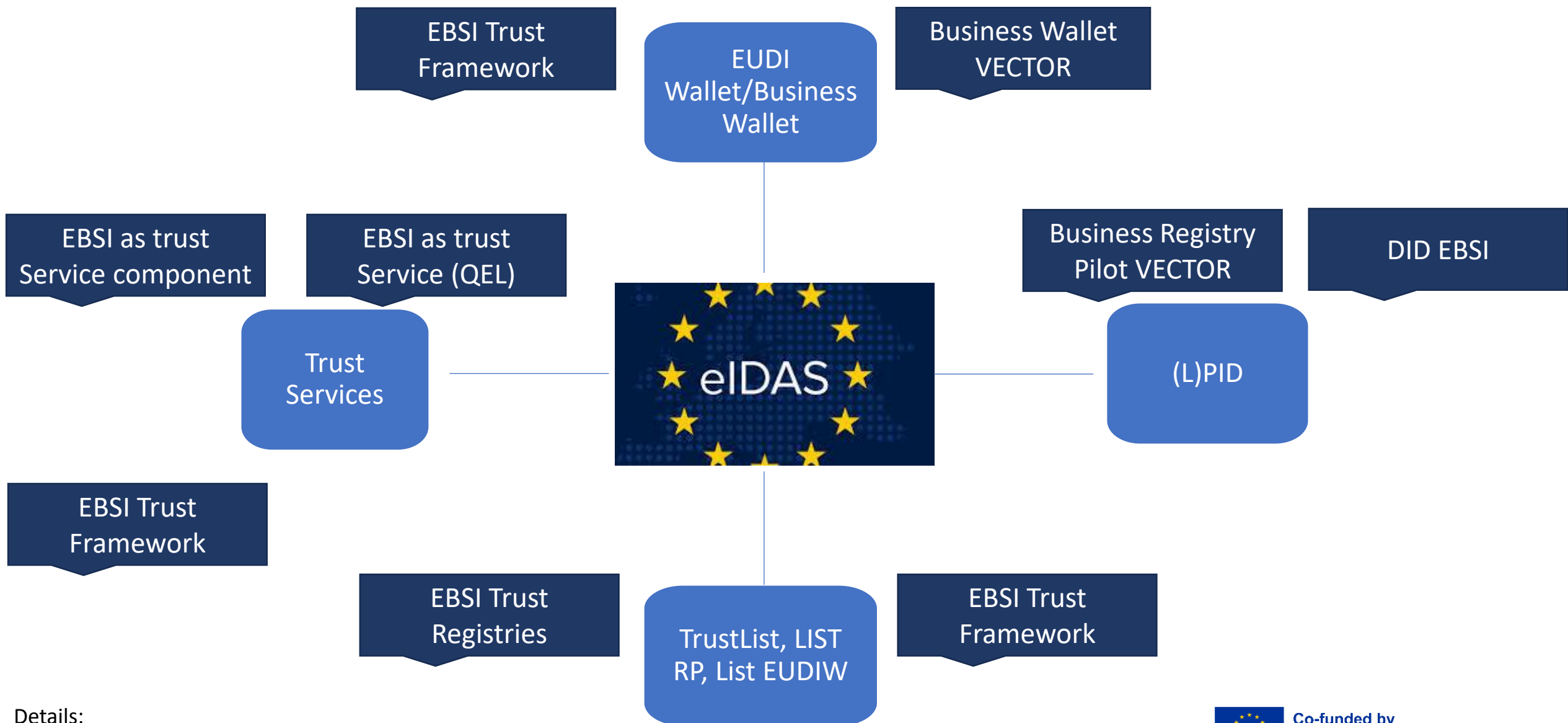
user depend on governmental trust not private company only

- 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>

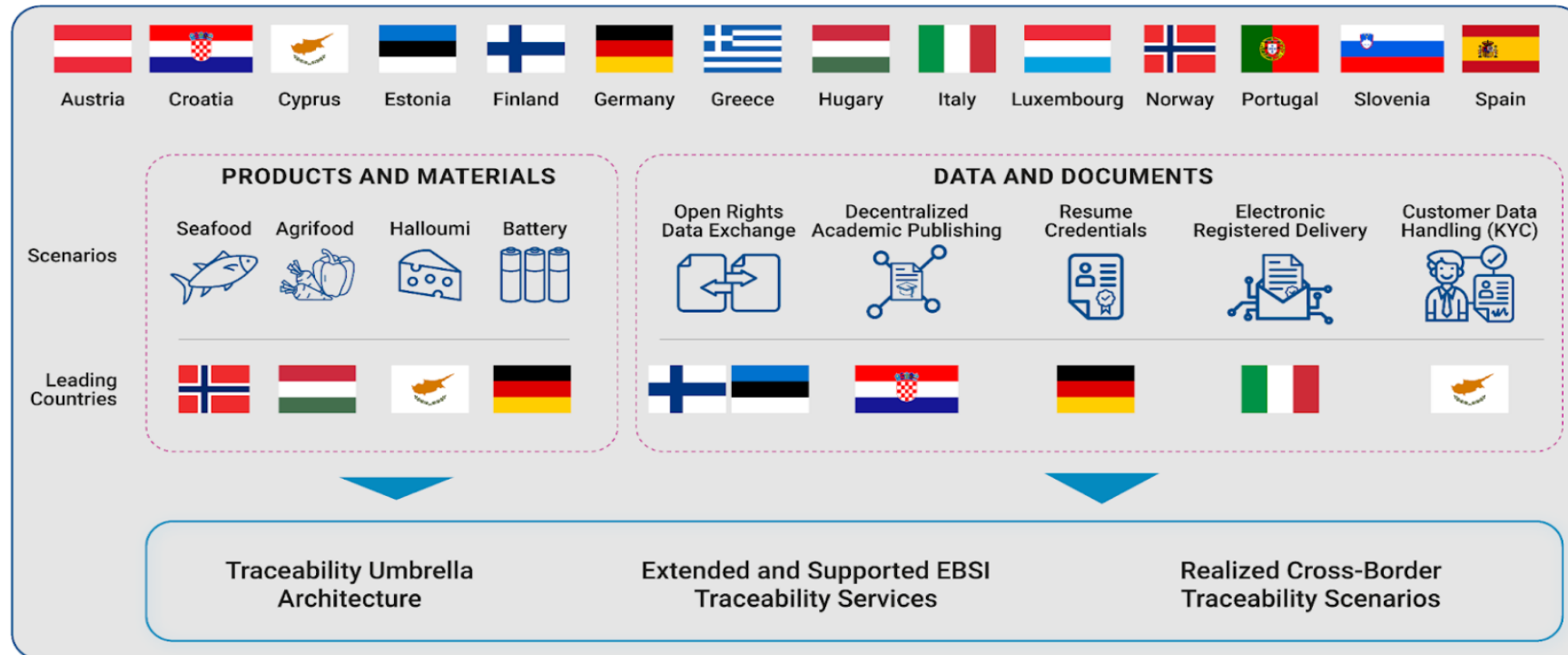


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Project Introduction



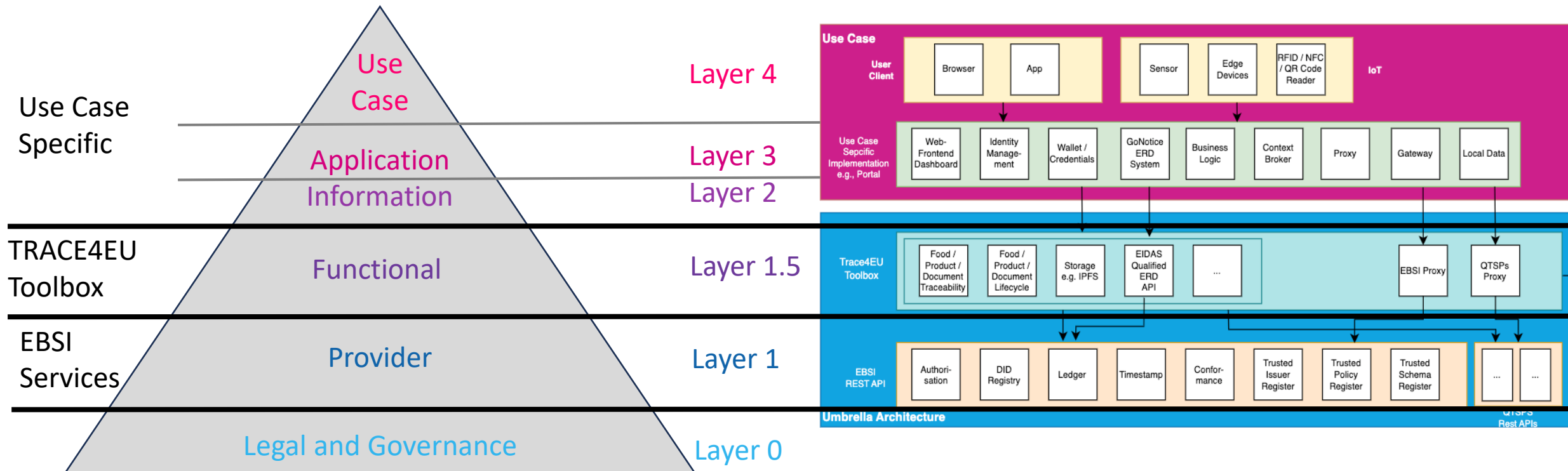
TRACE4EU ensures traceability on products, data and documents accross Europe using EBSI services



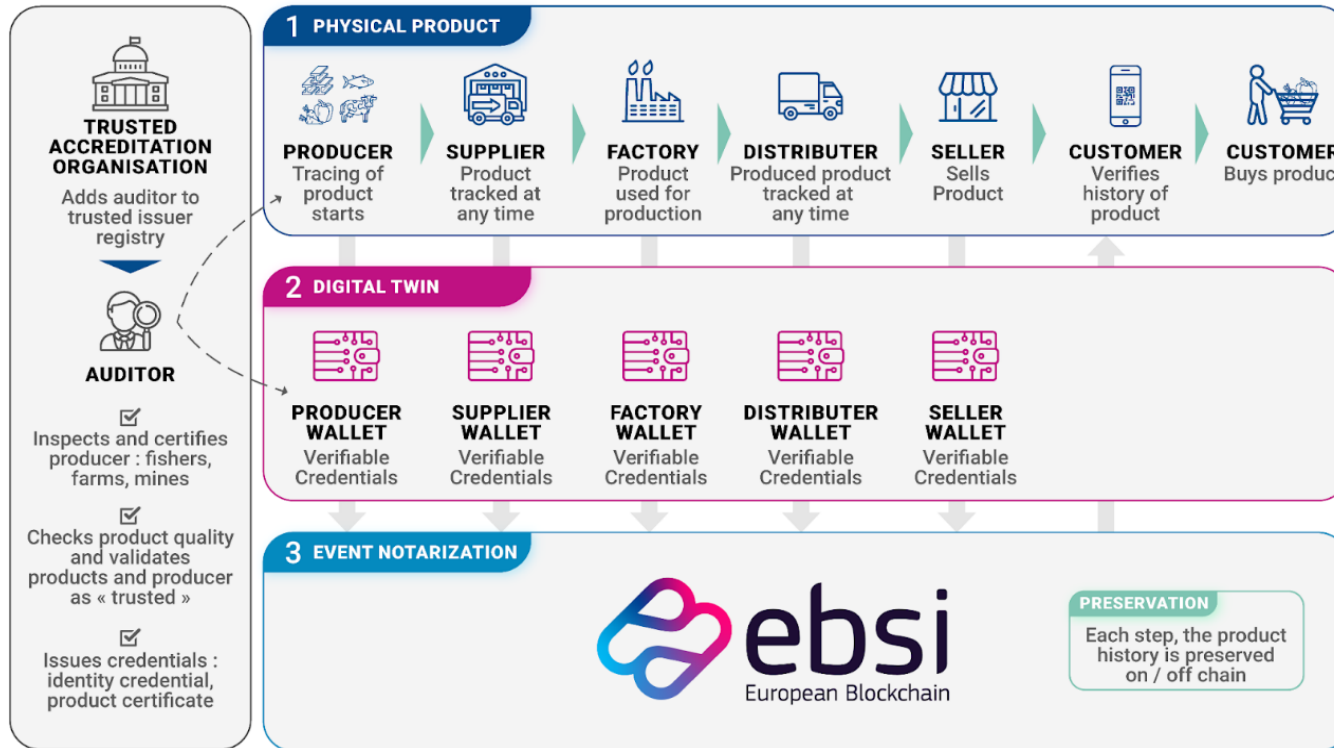
Coordinator: Viky Manaila/Intesi Group

Co-Coordinator: Steffen Schwalm/msg

TRACE4EU Umbrella Architecture for all Use Cases



Application Domain Product Traceability on High Level



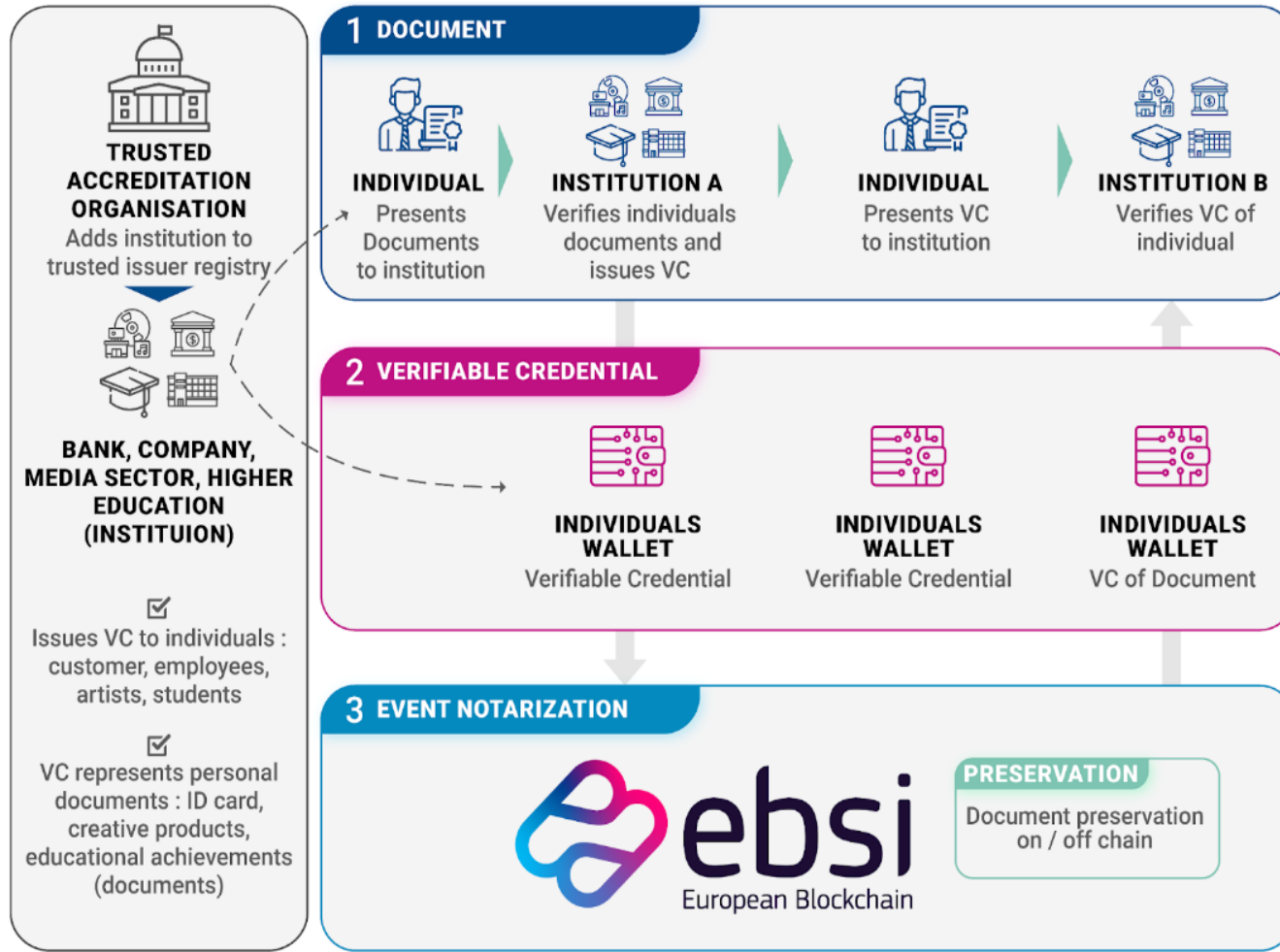
Seafood Tracing Application Scenario

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



Seafood

Contact: Mohd Sameen, NTNU

Problem/Challenge

- Lack of transparency in seafood supply chain from landing sites to final destination, making it difficult to verify origin and handling practices
- Manual documentation processes are prone to errors, fraud, and data manipulation, compromising food safety and authenticity
- Multiple stakeholders (landing sites, storage facilities, transporters) operate with disconnected systems, creating information silos and verification bottleneck

Solution

- Blockchain-based immutable record system that captures every transaction from crab landing to export with cryptographic signatures
- Integrated platform connecting landing sites, crab hotels, and airports with shared visibility and automated compliance documentation for seamless supply chain management
- QR code-based instant traceability allowing consumers and stakeholders to scan and access complete crab journey history including origin, handling, and quality data

Resume Credentials

Contact: Patrick Herbke / Kaustabh Barman, TU Berlin

Problem/Challenge

- Lack of trust and transparency in job application
- Hiring processes between job applicants and companies
- Cross-border verification of academic and professional qualifications is hard
- Complicated application processes includes management of hard copy documents

Solution

Digital Résumé:

- Creation of a digital résumé for job applications
- Application to a job via job portal
- Verification of multiple qualifications in a single step
- Verifiable Credential issuing service with EBSI Timestamp
- for academic achievements such as language certificate

Know Your Customer (KYC)

Contact: Yiorgos Constantinou / Yiorgos Antoniou, AC Goldman Solutions & Services Ltd

Problem/Challenge

- Customers are required to go through **KYC verification** (manual or automated) **every time** they wish to do business with some financial institution.
- This is time consuming and expensive for both the customers and the businesses.

Solution

- allow a business to “**exploit**” the KYC verification results performed from a previous business.
- customers need only go through the KYC verification process **once**.
- businesses save costs on KYC verification.
- businesses can trace the KYC verification events related to a customer.



Discussion



Contact

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Use Case: Seafood

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Patrick Herbke and Kaustabh Barman, TU Berlin

Use Case: Resume Credentials

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Yiorgos Constantinou and Yiorgos Antoniou, AC Goldman Solutions & Services Ltd

Use Case: Know Your Customer

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