

National Infrastructures for Research and Technology
GRNET S.A.

GRNET @ EBSI

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GRNET @ EBSI

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Networking Research, Education and Government

**Synergies for the Future:
The European Blockchain Services Infrastructure
and the
European Digital Innovation Hubs**



Status

EBSI @ GRNET

We represent Greece in the European Blockchain Policy group

- Since 2018, before the EBSI was in place

Hosting the Athens node

- Operational since Q1 2020
- Since then, we have followed all the upgrades and the path to EBSI v2.

Active in the Early Adopters Programme

- Showcased Education Credentials interoperability between Greece / France / Romania

Large Scale Pilots



Digital Credentials for Europe (DC4EU)

- 82 organisations from 23 countries (21 EU MS + Norway and Ukraine)
- 4 use cases:
 - Educational Credentials
 - Professional Qualifications
 - Portable Document A1
 - European Health Insurance Card (EHIC)





EBSI Nodes Expansion (EBSI-NE)

- 24 organisations from 15 countries (14 EU MS + Norway)
- Expansion of EBSI Nodes:
 - Pre-production environment
 - Production Environment
 - Reserved Production Environment
- ISO 27001
- Tools for node deployment and operation



EBSI-VECTOR

EBSI-VECTOR
(enabled VERifiable Credentials
and Trusted Organisations Registries)

- 52 organizations from 20 countries (19 EU MS + Norway)
- Self-Sovereign Identity Technologies in:
 - Education
 - Social Security
- It will involve:
 - Issuers
 - Verifiers
 - Trusted Organisations Registries



EWC

EU Digital Identity Wallet Consortium.

EWC (EUDI Wallet Consortium)

- 52 organizations from 27 countries (23 EU MS + Norway, Iceland, Switzerland, Ukraine)
- Use Cases:
 - Travel
 - Payments
 - Organizational Digital Identity (ODI)
- It will involve:
 - Travel Credentials (e.g., tickets)
 - Corporate Identity Credentials (work from anywhere)
 - Personal Identity Credentials (connect with local government from anywhere)
 - Payment Credentials



POTENTIAL (PiLOTs for EuropeaN digiTal Identity wALlet)

- 149 organizations from 20 countries (19 EU MS + Ukraine)
- Use Cases:
 - Electronic Government Services
 - Account Opening
 - SIM Registration
 - Mobile Driving License
 - Remote Qualified Electronic Signature
 - Electronic Prescription



TRACE4EU

TRACE4EU

(Traceability Reference Architecture Conformant EBSI for European Union)

- 30 organizations from 14 EU MS
- Use Cases:
 - Traceability of Products and Materials
 - Food Production from Agricultural Products (led by Hungary)
 - Seafood Lifecycle (led by Norway)
 - Trademarked Sale of Haloumi (led by Cyprus)
 - Traceability of Metals for Battery Production (led by Germany)
 - Traceability of Data and Documents
 - Open Rights Management of Digital Assets (led by Finland and Estonia)
 - Resumé credentials for citizens (led by Germany)
 - Decentralized academic publishing, DAP (led by Croatia)
 - Electronic delivery of verified messages (led by Italy)
 - Customer data retrieval for identification, KYC (led by Cyprus)



The background is a deep blue gradient. In the center, there is a glowing wireframe globe composed of thin white lines forming a spherical grid. Surrounding the globe are numerous small, bright blue particles and faint, larger-scale geometric patterns, creating a sense of digital space and data flow. The overall aesthetic is clean, modern, and technological.

Future

How to Get Involved?

Use Cases

- Get involved in existing use case
- Propose new use case (must be supported by several MS)
- Must coordinate with the country EBP representation

Large Scale Pilots / Future Projects

- The coordination of LSPs and future projects will be through and EDIT.
- Which brings us to...

The Road Ahead: EDIC

EDIC: European Digital Infrastructure Consortium

- EDIC for Languages – 20 Member States (including 9 Member States supporting EDIC for Language Data Spaces and 16 Member States supporting EDIC for Language Technologies);
- Blockchain (EBP and EBSI) – 14 Member States;
- European Startup Nations Alliance (ESNA)– 9 Member States;
- 1+Million Genomes – 9 Member States;
- Q-Europe EDIC – 7 Member States;
- European Consortium for Digital Commons – 6 Member States;
- Networked Local Digital Twin, towards "Citiverse" - 6 Member States;
- AI in Industry 4.0 Demo Centre – 5 Member States
- European Federation for Cancer Images (EUCAIM) – 3 Member States;
- AgriFood EDIC – 3 Member States;
- Cybersecurity Skills Academy – 3 Member States.

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