EBSI4BE workshop

Policy context, European Blockchain Partnership and the European Blockchain Services Infrastructure



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Our ambition is to establish global leadership in blockchain and distributed ledger technologies



Joined-up political vision (EU-MS)

Joint declaration on the establishment of the European Blockchain Partnership [EBP] and the development of the European Blockchain Services Infrastructure [EBSI] for cross-border digital services of public interest



Public-private partnership

Supporting the creation of the International Association of Trusted Blockchain Applications [INATBA]; a multistakeholder organisation to promote trust and interoperability at Global level



Connecting Global Expertise

The EU blockchain observatory and forum brings together the leading global experts to identify obstacles, incentives and practical solutions to promote blockchain uptake.



Investing in EU Innovation and startups

Through the Connecting Europe Facility and H2020 Programmes, the EU is coinvesting in the most advanced digital infrastructure and the most innovative EU start-ups EU investment scheme for AI and blockchain + support programme



Promoting an enabling regulatory framework

Promoting and enabling legal framework interoperable

standards and skills development



The EUROPEAN BLOCKCHAIN PARTNERSHIP (EBP)



Our Ambition: Building a Pan-European Blockchain Services Infrastructure (EBSI)

- Working with 27 MS (+LI & NO) in EBP
- Supporting public services (at first)
- Cooperation with private sector or applications
- Strengthening EU leadership and autonomy in Blockchain

A Cross-border Public Services Infrastructure

- Public sector as trailblazer
- Avoids fragmentation
- Secure, interoperable, GDRP compliant, sustainable, based on (new) EIDAS and SSI



EBSI aims at seizing the opportunities offered by blockchain and in particular to exploit them for enhancing cross border services

2019

Initial funding conditions

In early 2019, the European Commission published the 2019 Telecommunications Work Programme of the Connecting Europe Facility (CEF) creating initial funding conditions for EBSI. 2020

Release of the first version of EBSI

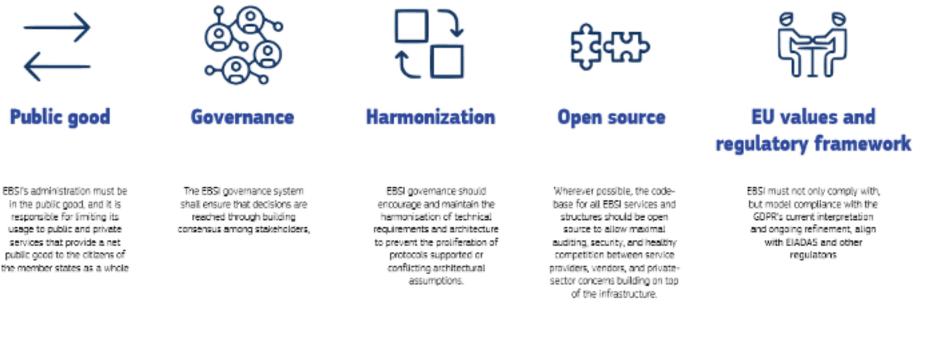
In early 2020, release of the first version of EBSI. Start of EBSI testing by EBP members, national administrations and interested public authorities parties. 2021

Digital Europe Programme

From 2021 on EBSI will be supported under the Digital Europe Programme. New use cases selected by the EBP will be added, cooperation with industry reinforced and more legal certainty provided for market actors through regulatory sandbox activities

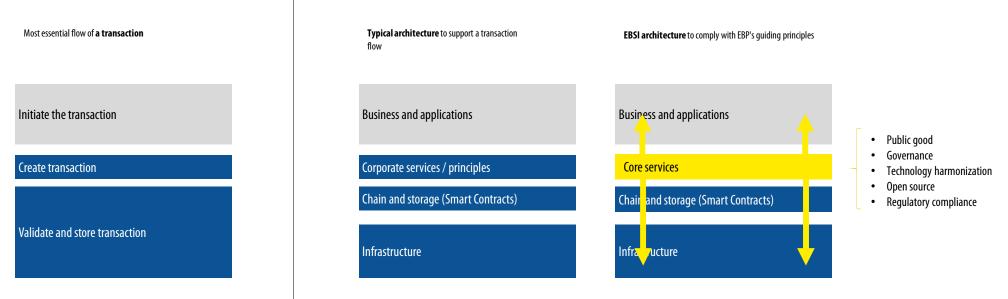


EBSI is designed as a market-friendly blockchain ecosystem based on open standards and a transparent governance model. The EBP has approved five key principles.





The EBSI Architecture is being built today alongside a fully distributed three-tier architecture and is extending the typical Enterprise Architecture stack with the core services layer



Core services are a set of standardised interfaces which (1) provide the capabilities for third-parties to develop applications and (2) ensure compliance with guiding principles defined and approved by the EBP on the technology and infrastructure layers.

Practically, four use cases have been selected by the EBP and are currently under development.

(V1 as a sandbox and v2 in production)





Notarisation of documents

European Self-Sovereign Identity

Exchange of accredited Diplomas



Trusted data sharing

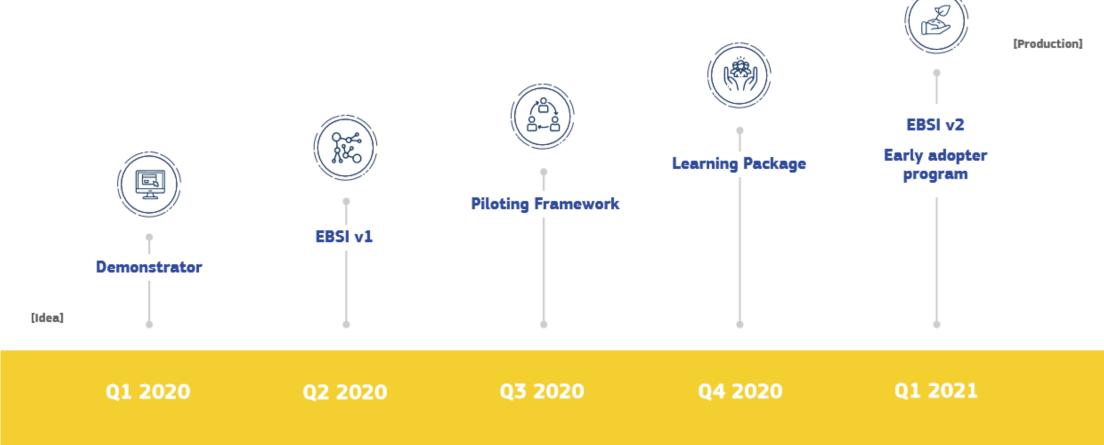
(Reserved for TAXUD's Community at this stage)

+ 3 new use cases

SME financing, European Social Security Pass, Asylum demand management



The story of EBSI in a nutshell. From idea to Production.





Thank you !

European Blockchain Strategy: https://ec.europa.eu/digitalsingle-market/en/news/european-blockchain-strategy-brochure EBSI: https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/ebsi

