



PROHUB

Protecting Oral Histories Using Blockchain: a European harmonised solution for protecting and ensuring access to oral history used for human rights work across the European Integration Project".

Technical aspects:

Blockchain backed metadata to ensure authenticity and to control access

DLM Forum Meeting, Prague, 08.09.2022

This project has received funding from the Connecting Europe Facility (CEF) Telecom programme by the 2020-EU-IA-0185 eArchiving grant



OVERVIEW

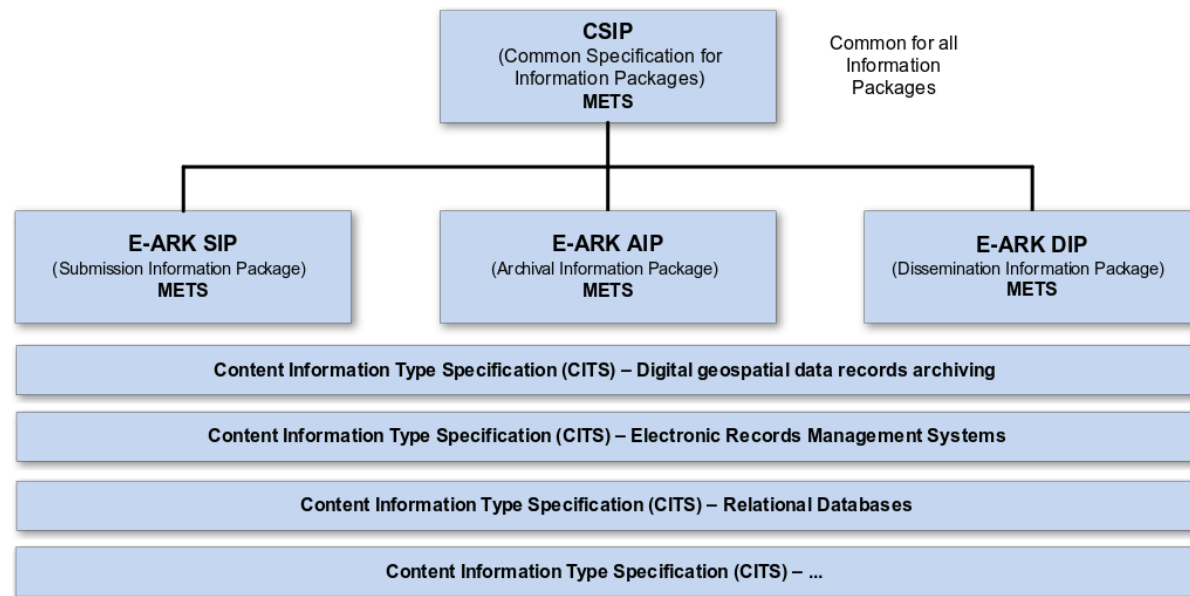
- E-ARK & EBSI
- Principles
- Managing and Persisting Resource Access Information
- Blockchain-verifiable Resource Access Metadata



E-ARK STANDARDS & EUROPEAN BLOCKCHAIN SERVICE INFRASTRUCTURE



eArchiving (E-ARK Standards)



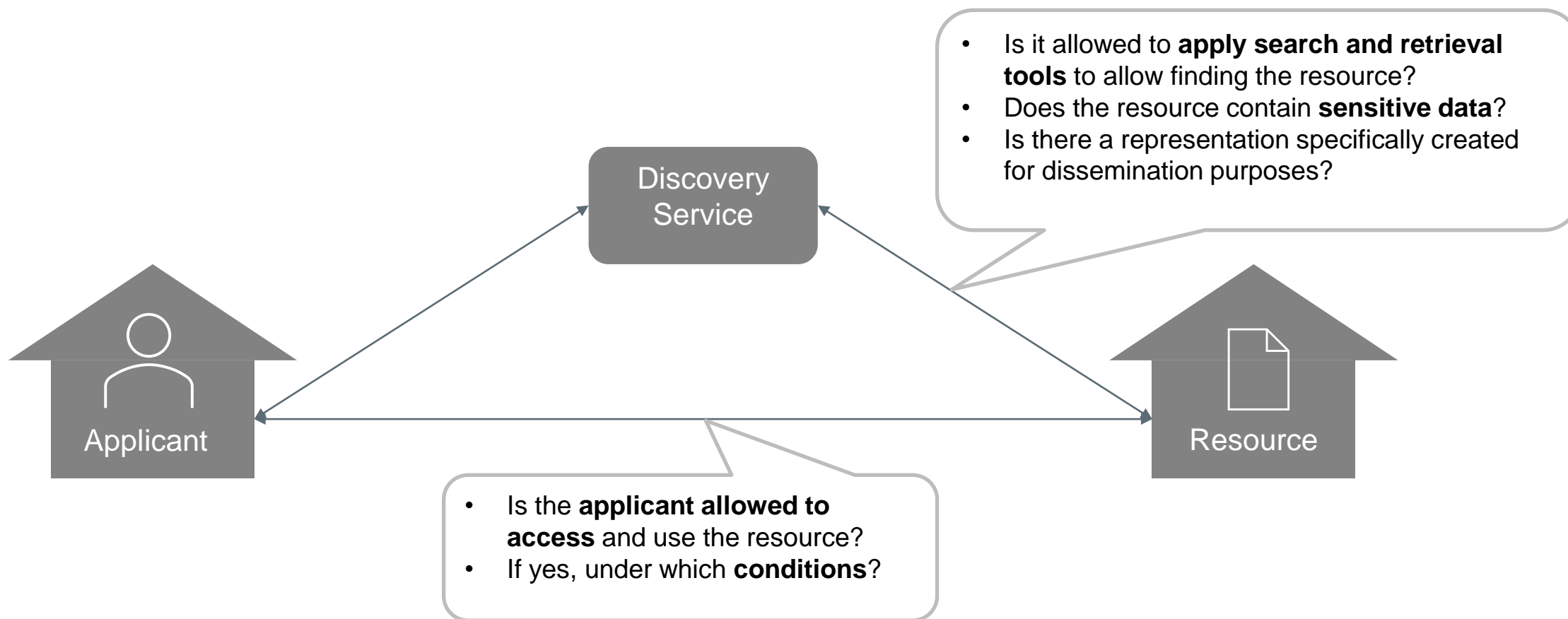
European Blockchain Service Infrastructure



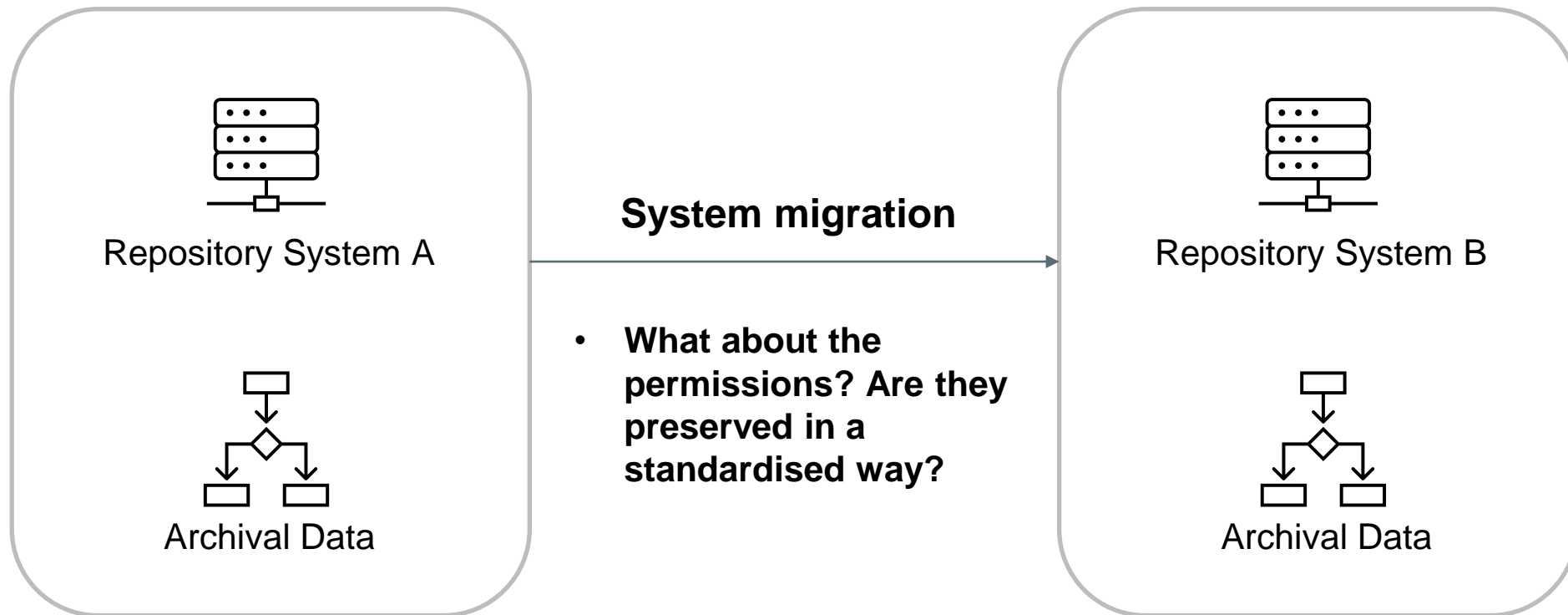
CEF Building Block Synergies



MANAGING RESOURCE ACCESS



SYSTEM MIGRATION



EUROPEAN BLOCKCHAIN SERVICES INFRASTRUCTURE (EBSI)



What is EBSI?

The European Blockchain Services Infrastructure (EBSI) is a market-friendly distributed blockchain network based on open standards and transparent governance model.



Source: <https://ec.europa.eu/digital-building-blocks/wikis/display/EBSI/What+is+ebsi>

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EBSI USE CASES



Identity

Diploma

Social security


Document traceability

(Coming soon)



Document traceability

The **Document traceability Use Case** aims to leverage blockchain to create trusted digital audit trails, automate compliance checks – for example in time-sensitive processes – and to prove data integrity. The intention is also to serve as generic registration and traceability capabilities for other EBSI Use cases.

Documentation 

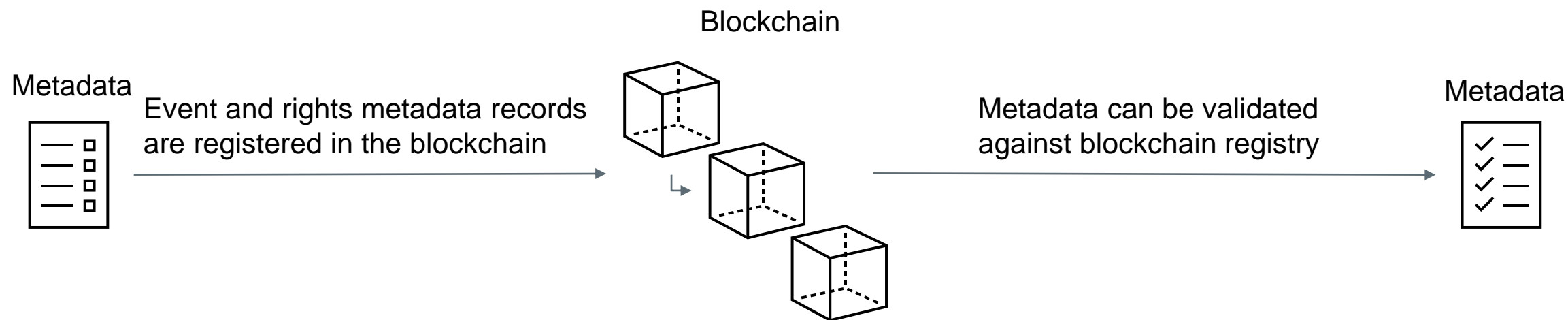
Source: <https://ec.europa.eu/digital-building-blocks/wikis/display/EBSI/Use+cases>

17/04/2023

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BLOCKCHAIN BACKED METADATA



BENEFITS



Secure

Blockchain-based **digital identity, authentication, and authorization.**



Transparent

International, open, and widely adopted **standards**



Enables Accountability

Operators are **accountable** for events and access grants



Ensures Authenticity

Ensuring that data is **not changed accidentally or tampered with**



Cost effective

Leverage **EU Building Block** Technical Infrastructure



THANK YOU!

<http://prohub.ait.ac.at>

Link

Round-table session