

# Open Source Community Day .....



LICORICE

## Self-sovereign identity and federated privacy

reLIable and sCalable tOols foR self-sovereign  
identity and data proteCtion framEwork

23 - 24 September

ECLIPSE<sup>®</sup>  
FOUNDATION

CEI-Sphere  
part of EUCloudEdgeIoT.eu

Co-located with  
AIOTI Days 2025

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- LICORICE is a European Innovation Action aimed at reinforcing digital trust, data sovereignty, and **secure identity management**.
- It delivers advanced self-sovereign identity and **privacy-preserving toolsets** (over 10 cryptographically secure components) for user-centric identity management and
- **Verifiable federated data sharing** and computing.



LICORICE focuses on interoperability, scalability, usability, and **open-source adoption**, contributing to Europe's digital and data sovereignty.



1. [TRIALOG](#)
2. [EVIDEN](#)
3. [AIT](#)
4. [TU GRAZ](#)
5. [UNIVERSIDAD DE MURCIA](#)
6. [IDSA](#)
7. [UNIVERSIDAD DE SEVILLA](#)
8. [UvA](#)
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10. [NEC LABORATORIES EUROPE](#)
11. [FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS \(FORTH\)](#)
12. [UBITECH](#)



Fully aligned with the EU Digital Identity and Data Strategy and contributing to the **Digital Decade goals**, LICORICE supports:

- The **EUDI Wallet** ecosystem,
- The development of secure **EU data spaces**,
- And the **fight** against **cyber threats** and **identity-related crimes**.

Its results will be validated in **two operational pilots**:

- **Cyber Threat Intelligence** AI-based assistance and sharing
- **eHealth** and biomedical research services



It is Dedicated Task in LICORICE !

Exploitation Preparation (Open Source)

## Our Commitment

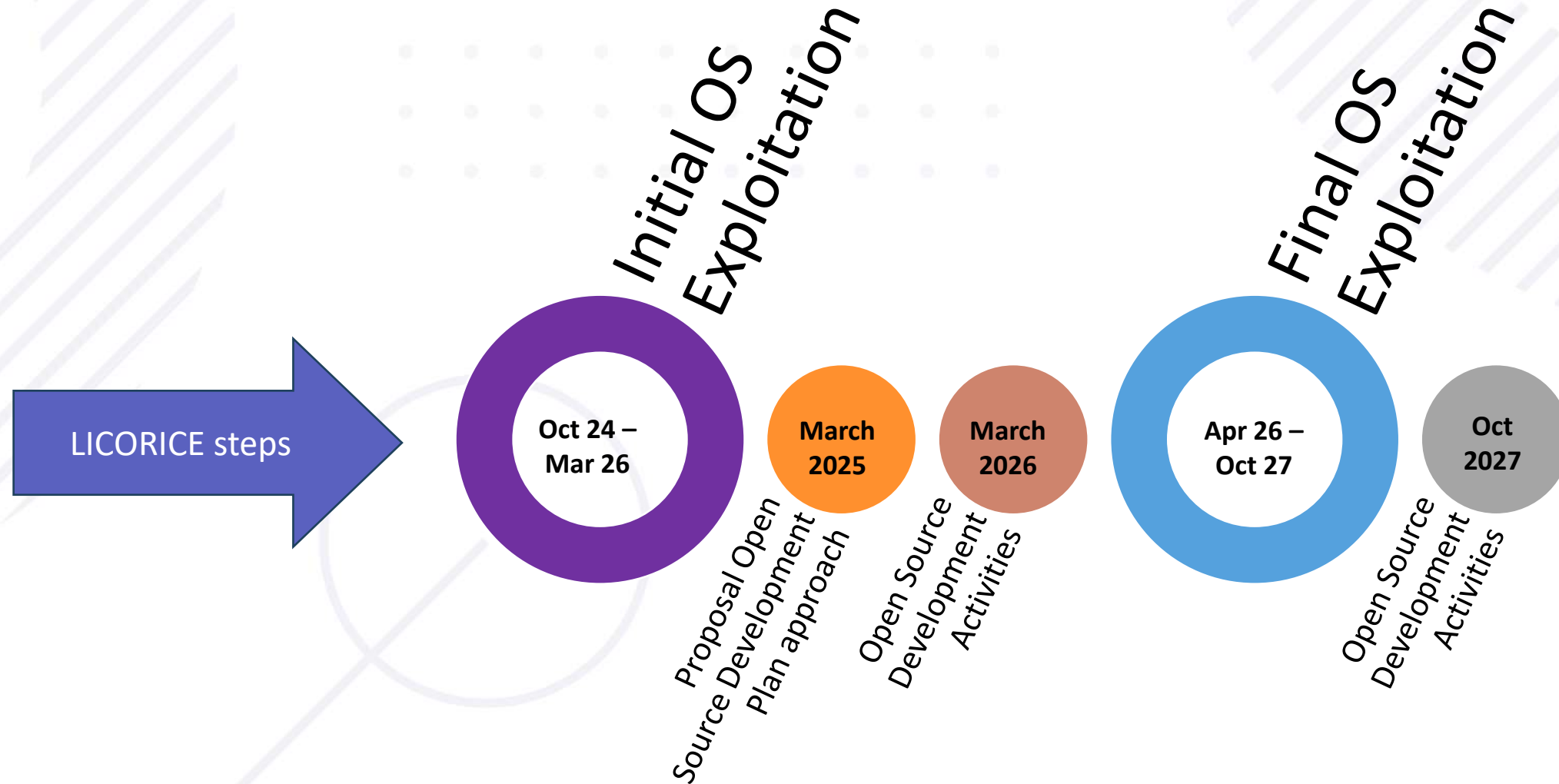
We ensure that the results of LICORICE are not just project outcomes, but **living contributions** to the Open Source community.

## What It Means

- **Strategic release** of project outputs as open source.
- Results that are **accessible, modifiable, and sustainable**.
- A foundation for **community-driven innovation** beyond the project's lifetime.

## Impact

Open Source task transforms innovation into a **shared ecosystem asset**, fueling adoption, collaboration, and continuous evolution.

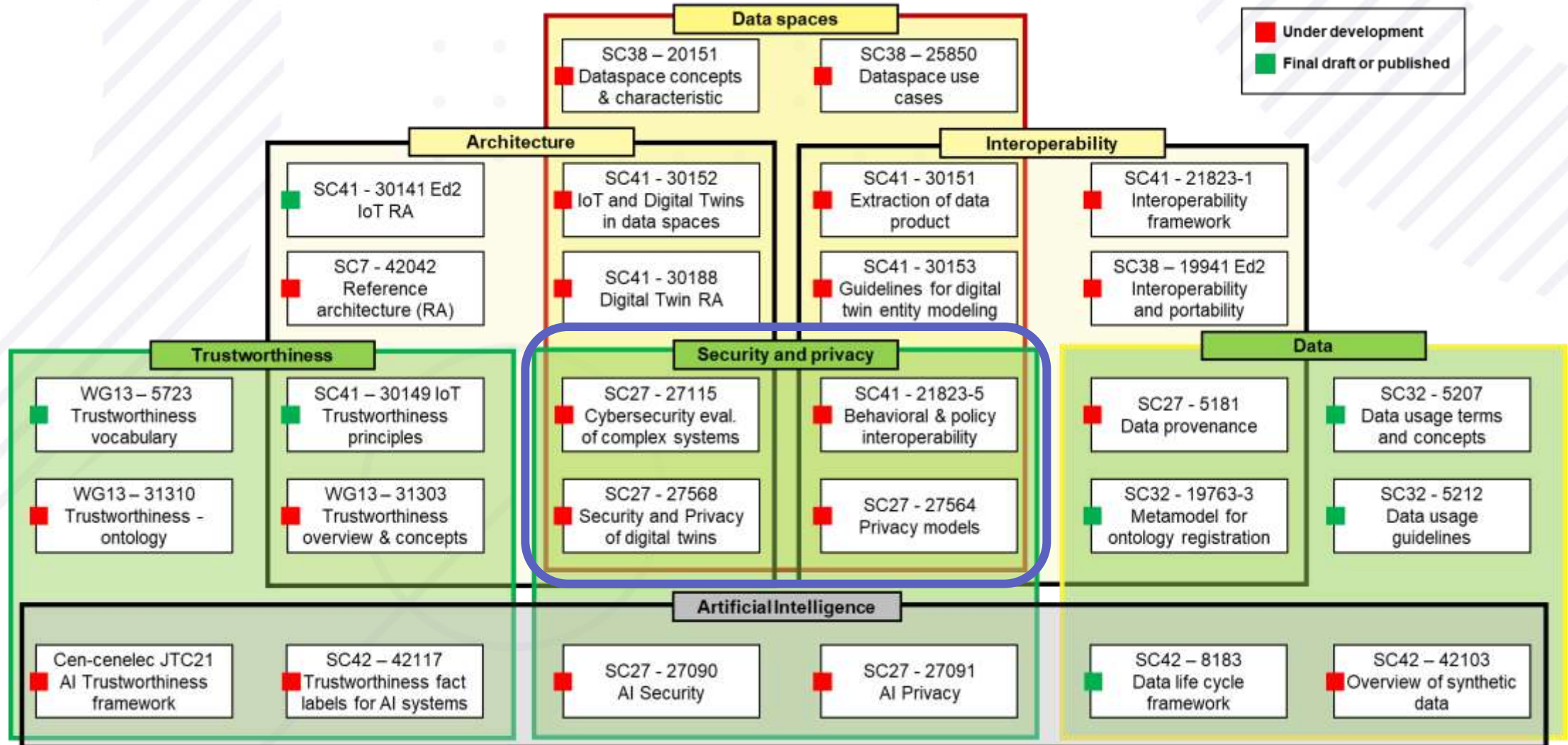


- An open source development plan, based on the **ECLIPSE Foundation's** ENERSHARE project template, will be implemented, covering aspects like **strategy, licensing, stakeholders, and development**. The first step of the plan is shown below.

| 1 Open-source plan info |                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Authors name and e-mail | Enershare persons in charge of providing and maintaining the plan. Can involve different partners.                                                                                                                                                                                                                                                                                                     |  |
| History                 | The open-source plan can be updated several times, depending on how the status of its execution. Examples are: <ul style="list-style-type: none"> <li>- Change of strategy (e.g., modification of KER objective, merging with another KER)</li> <li>- Change in licencing approach</li> <li>- Change in community approach</li> <li>- Change in infrastructure use (e.g., Gitlab to Github)</li> </ul> |  |
|                         | Date                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|                         | Version                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                         | Description of modification                                                                                                                                                                                                                                                                                                                                                                            |  |

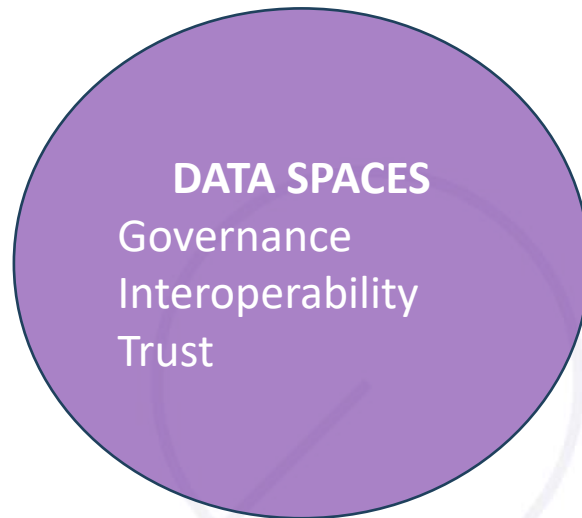


Source: Enershare D11.3 [link](#)



## Global Expertise

- Builds a **trusted ecosystem** where data is shared securely & under data owner control.
- Provides **frameworks, standards, and open-source components.**



## INTERNATIONAL DATA SPACES ASSOCIATION

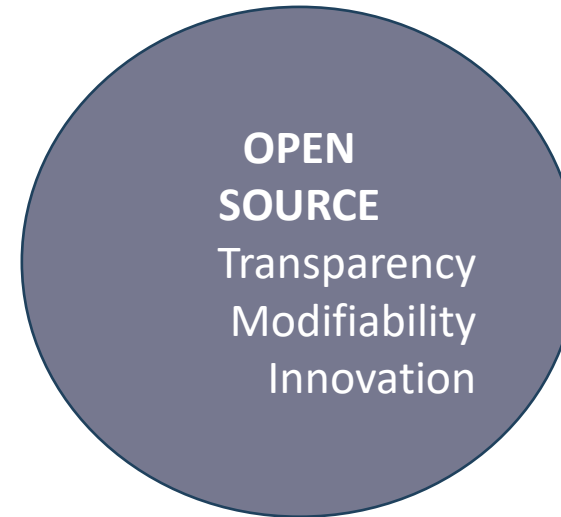
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IDSA (International Data Space Association) is a LICORICE partner and it is promoting data space standards leveraging eclipse work on [EDC](#).

**Sustainable  
Sovereign  
Standardized**

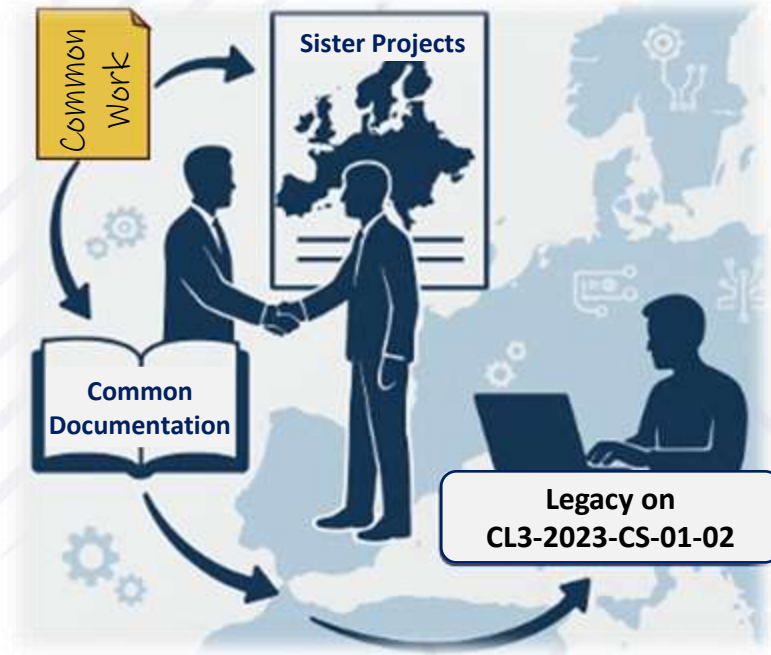
## European Alignment

- Ensures LICORICE outputs fit **EU Data Strategy** goals.
- Works with **DSSC** (technical foundations) & **DSBA** (business adoption).

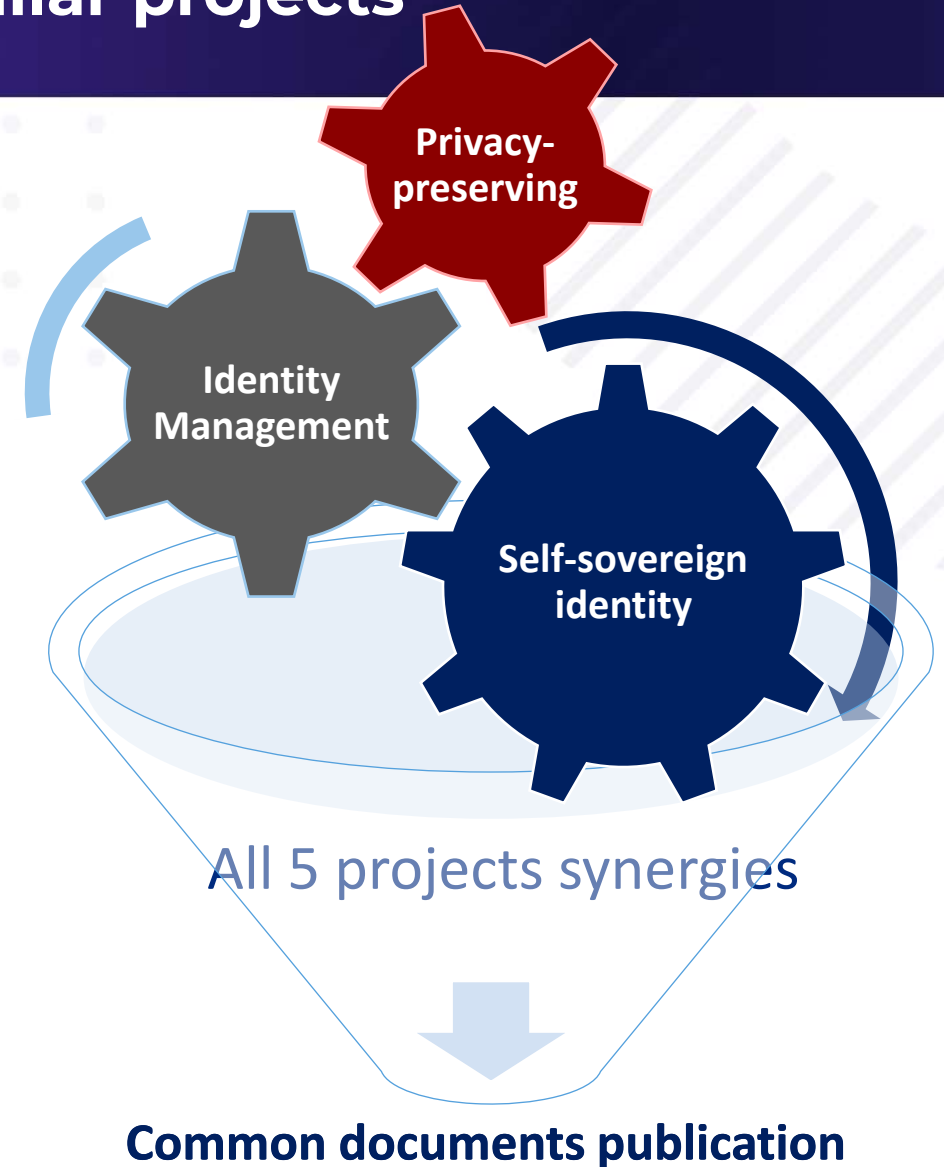


## Impact for LICORICE

- ✓ Tools are **practical & widely adoptable**
- ✓ Strong compliance with **privacy & sovereignty** principles
- ✓ Results become **candidates for EU standardization**



Possible outcome:  
Maximize reuse and co-maintenance of open-source  
components: shared practices, and if possible aligned licensing.



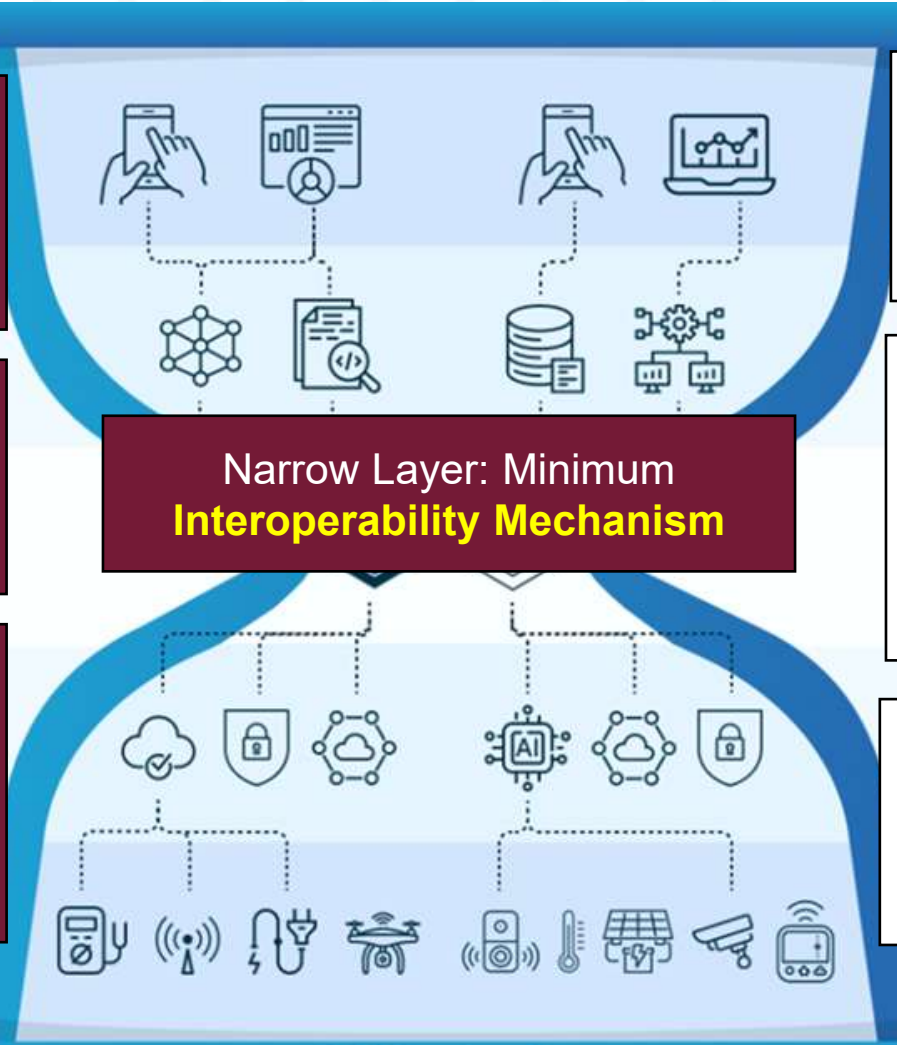
## STAKEHOLDERS

Policy maker  
(e.g. national  
regulation)  
**Sovereignty**  
**and privacy**  
**compliance**

User of  
application using  
identities  
**Trustworthiness**

SSI service provider  
**Security,**  
**Compliance,**  
**Standardisation**

Infrastructure  
provider  
**Security,**  
**Compliance,**  
**Standardisation**  
**Scalability,**  
**Resilience**



Narrow Layer: Minimum  
**Interoperability Mechanism**

Identity and  
data analytics  
applications  
(e.g. Wallet)

SSI  
management  
And federated  
processing of  
data

Identity and  
data space  
infrastructures

**EUDI Wallet**  
capabilities and  
standards

**SSI capabilities** and  
standards  
**PETS for federated**  
processing and  
standards (ISO  
SC27, OpenId, etc.)

**Infrastructure**  
**mgt capabilities**  
(PKI, DLT, data  
space) and  
associated  
standards

## CAPABILITIES

# Thank you



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<https://www.linkedin.com/company/licorice-project/>

The Eclipse Foundation logo consists of a stylized orange 'E' icon followed by the text 'ECLIPSE' in a bold, sans-serif font, with 'FOUNDATION' in a smaller font below it.

The CEI-Sphere logo features a blue stylized 'S' icon followed by the text 'CEI-Sphere' in a bold, sans-serif font. Below it, in a smaller font, is 'part of EU CloudEdgeIoT.eu'.

