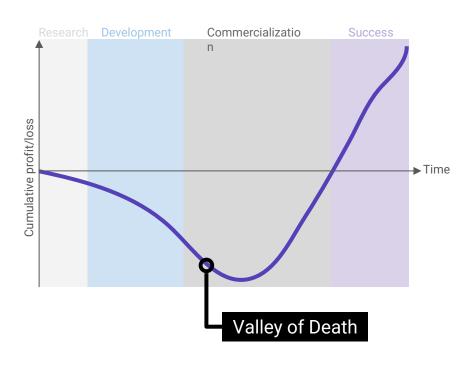


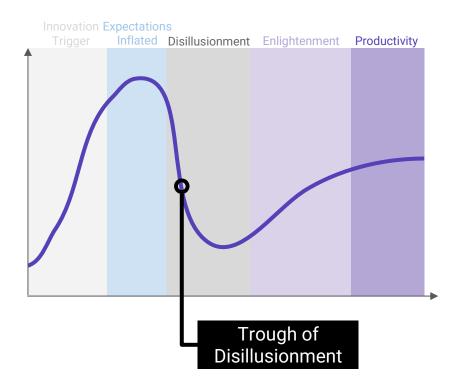
Despliegues tecnológicos para espacios de datos

Eclipse Dataspace Working Group

Javier Valiño - Dataspace Program Manager - Eclipse Foundation

What is the current status?







The Dataspace road so far



- Data Sharing technologies
- Data lakes, platforms and sharing hubs



- Data strategy
- DataGovernanceAct
- Data Act
- CyberResilience Act



- Identification of relevant use cases
- Definition of base requirements
- Reference Architectures

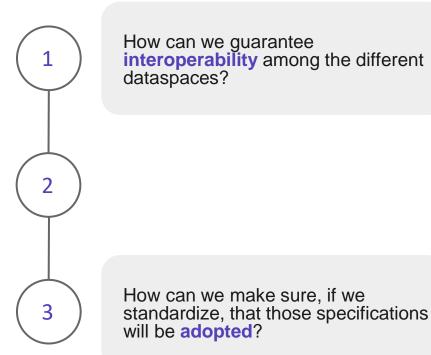


Sectorial Data Spaces



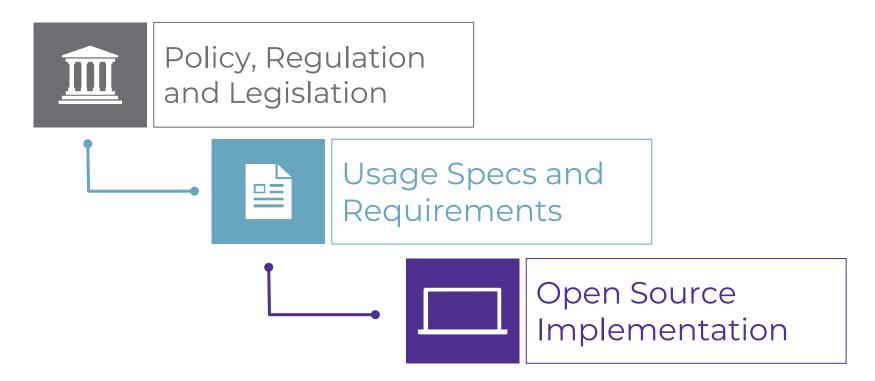
The questions ahead of us

How can we collaborate to make sure we draft relevant **standards** taking all the views/needs of the ecosystem?





The Big Picture





Eclipse Dataspace Working Group

Mission: to create scalable, industry-ready **open-source components and specifications** for dataspaces through open collaboration and standards.

Primary objective: to encourage, develop, and promote open source solutions that enable organisations of all sizes to participate in dataspaces, fostering global adoption of dataspace technologies and trusted data sharing ecosystems.

Initial Focus: standards development, onboarding and implementing open source projects and providing guidance, and guiding them to support a broad ecosystem of interoperable dataspaces.

Strategic Members

















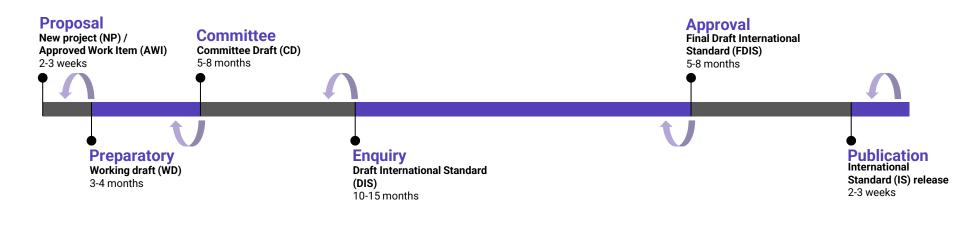


How can we structure this for Dataspaces?

Open Source Specification: Standardization **PROFILE 1 PROFILE N Interoperability - Article 33** (policy, formats, semantics) (policy, formats, semantics) Decentralised Claims (messages for identity and claims) Automatic access & transmission **Transport Protocols** Open formats & vocabularies Data Space protocol (catalog, contract, transfer) Find, access & use Smart contracts **Interoperability - Article 36** X Tractus X Consistency Microsoft T Systems amadeus RWTH gaid* Fraunhofer O Catena-X tecnal:a mec SA ISHARE Kit Safe termination/interruption Robustness & access control



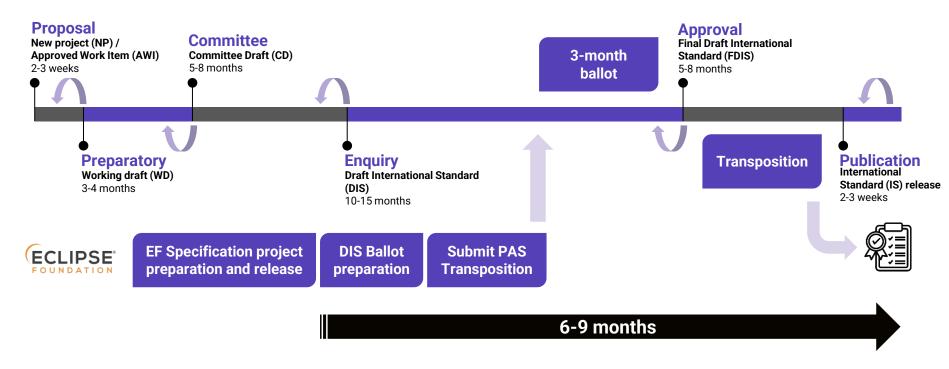
ISO/IEC Technical Standard timeline







ISO/IEC Technical Standard PAS Submission





Protocols and Standards

Minimum interoperability protocol stack for dataspaces

PROFILE 1 (policy, formats, semantics)

PROFILE 2 (policy, formats, semantics)

PROFILE N (policy, formats, semantics)

Claims protocol (messages for identity and claims)

Transport Protocols

BASE Protocol (catalog, contract, transfer)



How do these protocols fit into the full stack?

Dataspaces & Enabling Service Provider: Member Management, Observability, Connector as a Service, Marketplaces Gaia-X Trust Framework **iSHARE Trust Framework** Other Trust Framework

Conformity Assessment and Credential Profile (CAP)

Data Rights Policy Profile (DRP)

Dataspace Connector Implementations: Data Discovery, Claims Management, Contract Negotiation, Data **Planes**

Dataspace Decentralized Claims Protocol (DCP)

DCP TCK

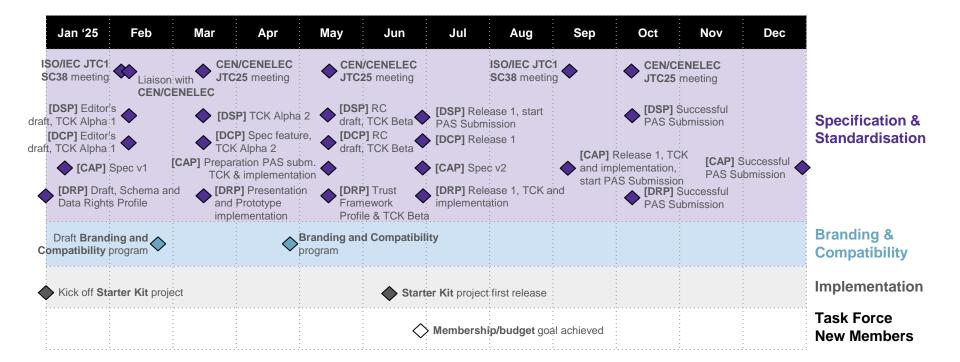
Dataspace Protocol (DSP): Data Discovery (Catalog), Contract Negotiation, Transfer Orchestration

DSP

TCK



Milestone Planning EDWG 2025





Summary

Be at the forefront of the Dataspace **standardization**

Help us build the **strategy** for the Dataspace ecosystem

Join the **adopter community** of Dataspace OSS solutions

Resources:

- Charter
- Working Group
 Participation Agreement
- Working Group Process
- Working Group Operations
- Working Group Mailing List (open to public)
- Working Group Web page

Contact us!

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