



Die Eclipse Foundation wo Gaia-X Frameworks zu Hause sind

Michael Plagge

VP Ecosystem Development

michael.plagge@eclipse-foundation.org

The Open Source Foundation of choice in Europe

With a global presence, reach and reputation

Eclipse Foundation AISBL is based in Brussels
Under EU-based laws and regulations, hosting code
in Europe

Visit eclipse.org/europe



The Eclipse Foundation Strategic Members

Europe



BOSCH

Mercedes-Benz Tech Innovation



DLR



OBEO



European Space Agency



list

c23 tech



Fraunhofer



SAP

USA



Microsoft



ORACLE



Red Hat

Asia



HUAWEI

Free & Open Source Software

Freedom 0

-to **run** the program, for any purpose

Freedom 1

-to **study** how the program works, and change it to make it do what you wish

Freedom 2

-to **redistribute** copies

Freedom 3

-to distribute copies of your **modified** versions to others

Why **Open Source** may not be enough

Open Collaboration

Contribution

- Transfer of IP rights
- Future influence

Collaboration

- Rules for collaboration (Governance)
- Predictability
- Sustainability

Open Source

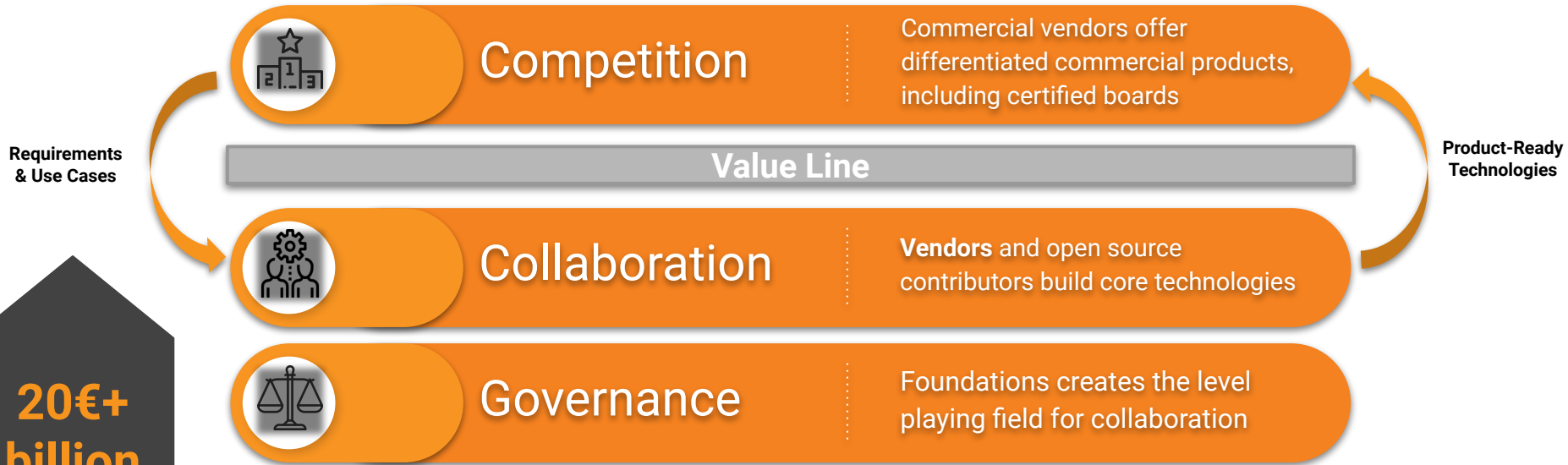
Adoption

- Open Source License
- Four Freedoms



**The Eclipse
Foundation enables
sustainable,
vendor-neutral,
open collaboration**

Foundation Processes Create a Level Playing Field



20€+
billion

of shared
investment
to date

Foundation Services

Collaboration Platform

Governance Platform

Infrastructure for Open Collaboration

Ecosystem Development

Community Governance & Processes

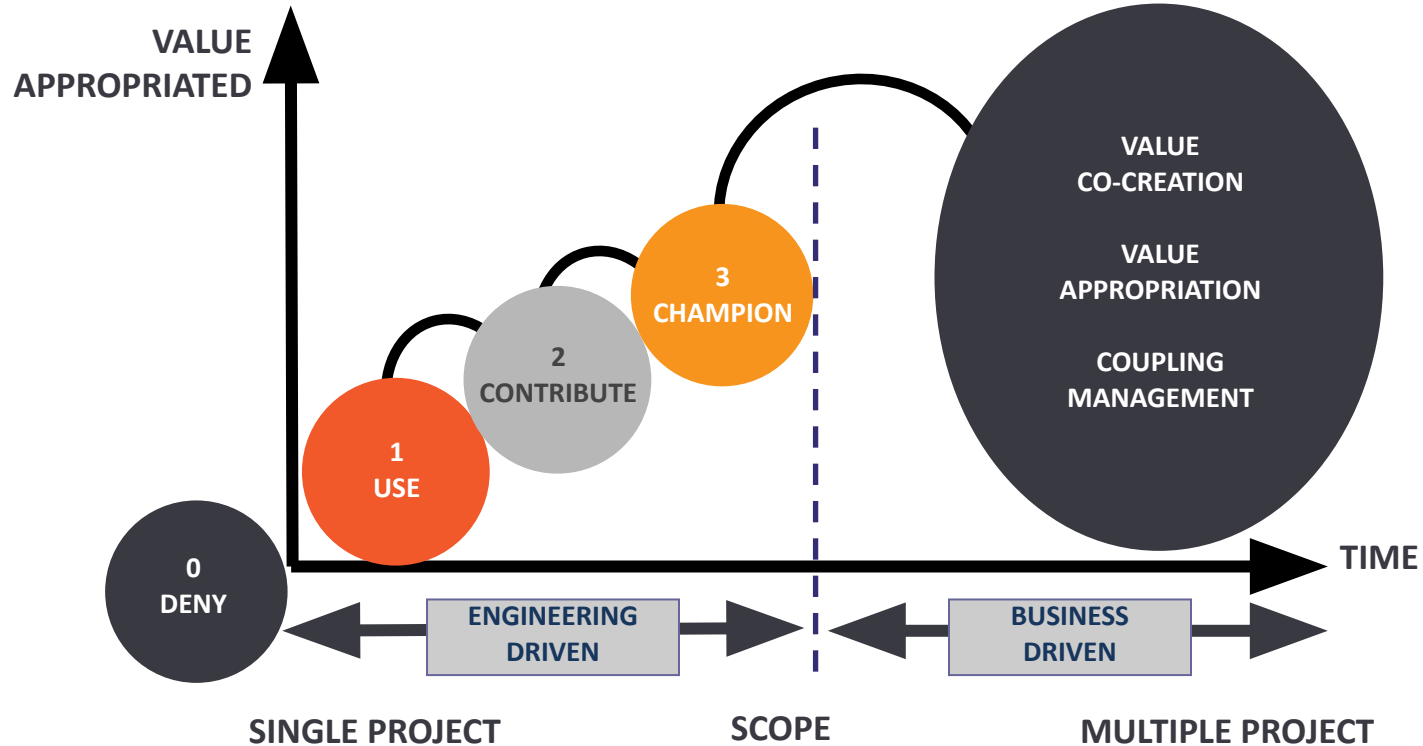
IP Management & Licensing

Supply Chain Security

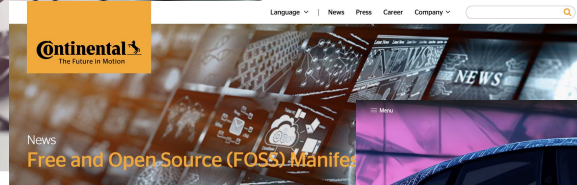
Public Policy



Open Source adoption

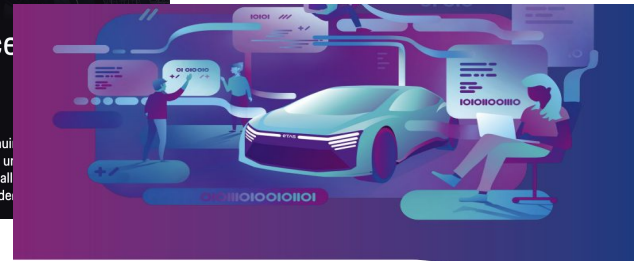
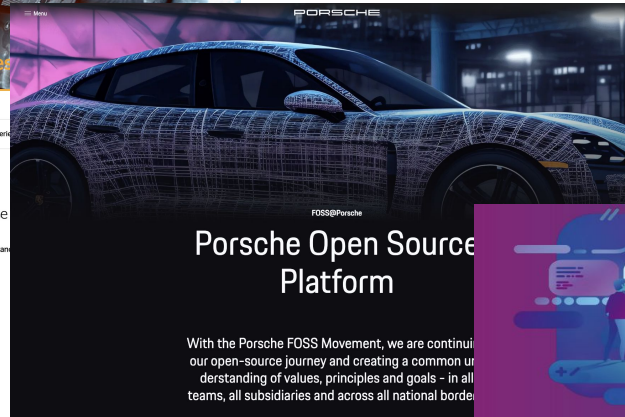
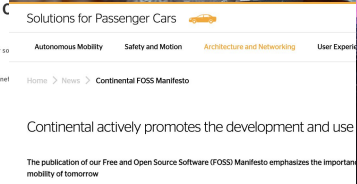


Open Source in the automotive industry



The Mercedes-Benz AG - FOSS CIO,

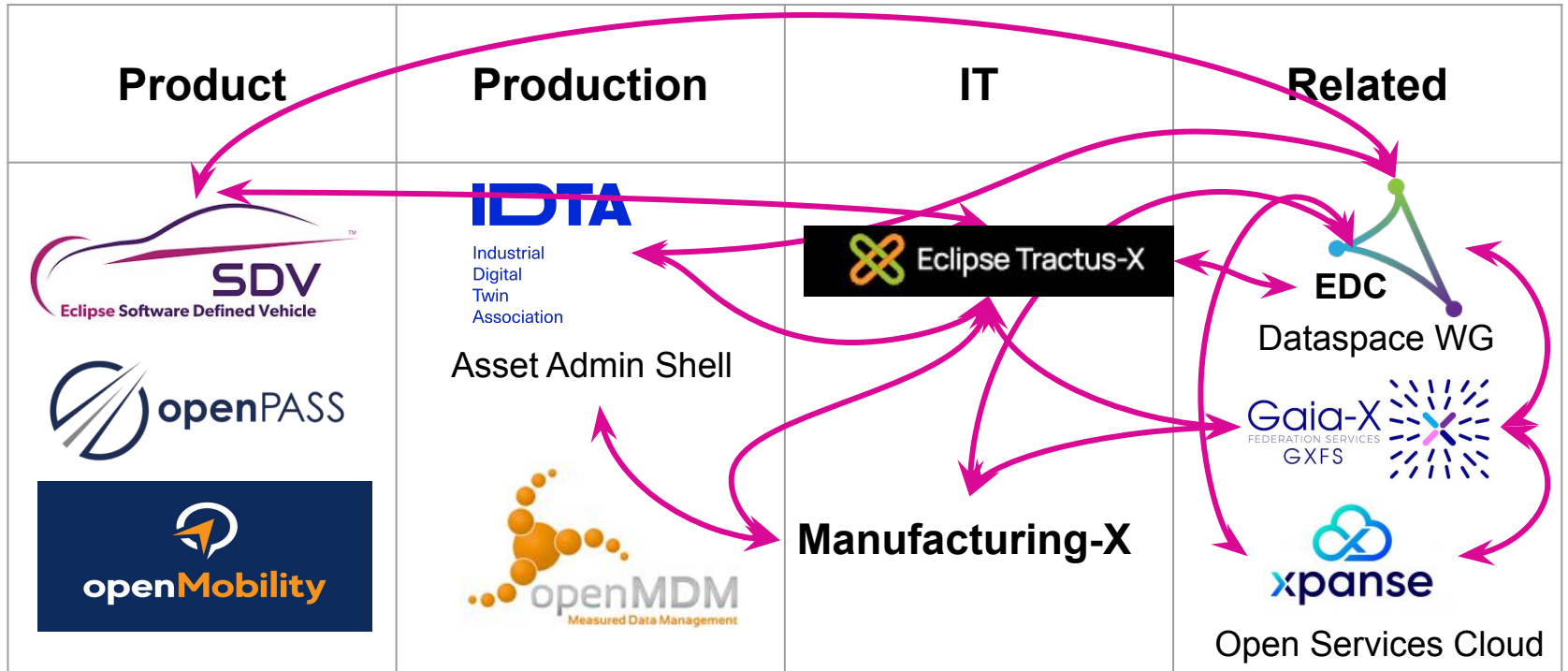
- RESOLVED to incorporate Free and Open Source Software in our daily so the speed of delivery.
- DESIRING to be an active member in Open Source communities to benefit
- CONFIRMING the will to pave the road for their realization,
- HAVE DECIDED to establish these FOSS guideline principles:



The ETAS Free and Open Source Manifesto

Automotive Open Source

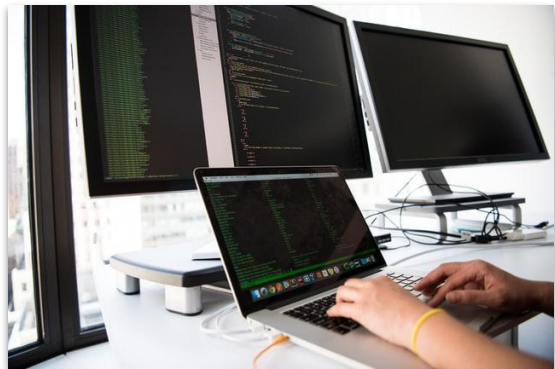
(at the Eclipse Foundation)



Dataspace Working Group

Projects and Working Groups

Projects



Transparent
Open
Vendor-neutral



Group of individuals

- Build code, APIs, documentation
- Meritocracy
- No costs / No budget
- Sponsoring possible

Working Groups



Group of organizations

- Focus, promote and augment Eclipse technologies
- Open Governance
- Fees / Budget

Membership



amaDEUS

 **Fraunhofer**

**INTERNATIONAL DATA
SPACES ASSOCIATION**



 **Microsoft**

T Systems

**MTÜ Nordic
Institute for
Interoperability
Solutions**

tecna:a
MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE


iSHARE

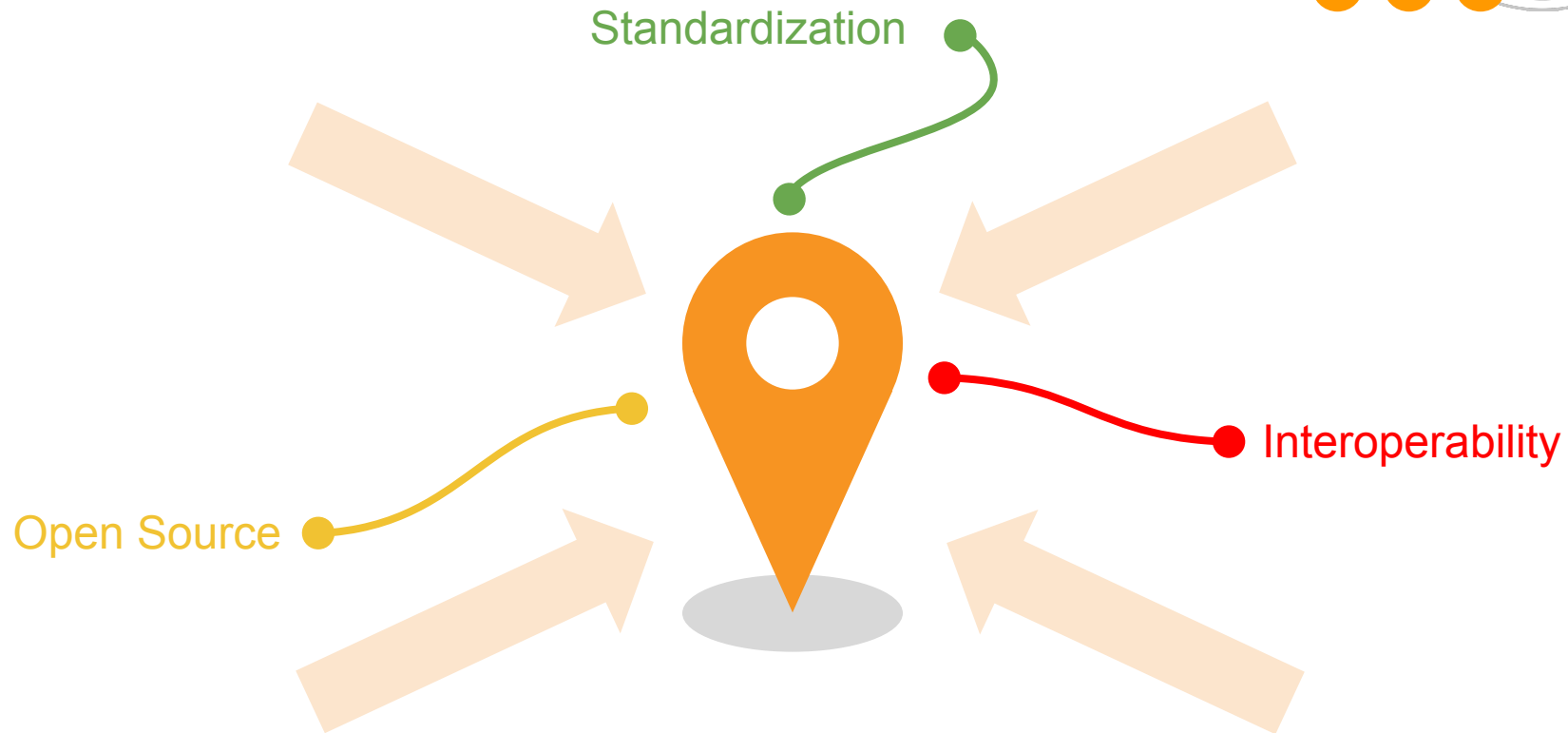
Associated Projects - and planned



- > **Eclipse Dataspace Components**
- > **Eclipse Dataspace TCK**
- > **Tractus-X (as Implementation Project)**

- > **Eclipse Dataspace Protocol Specification**
- > **Eclipse Dataspace Trust Framework Protocol Specification**
- > **Collection of Data Plane Projects**
- > **Projects for Tooling and Management of Dataspaces**
- > **Eclipse Dataspace Trust Framework TCK**

Meeting Point



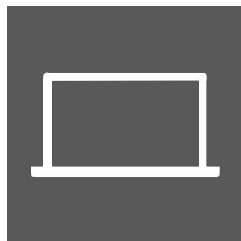
The big picture



Policy, Regulation
and Legislation



Usage specs and
requirements



Open Source
Implementation

Eclipse Dataspace Working Group

Vision and Scope



The mission of the Eclipse Dataspace Working Group is to provide a forum for individuals and organizations to build and promote **open-source software, specifications, and open collaboration** models needed to create **scalable, modular, extensible, industry-ready** open-source **components** based on open **standards** for dataspaces.

The primary objective of the Eclipse Dataspace Working Group is to **encourage, develop, and promote open-source solutions** that will enable the **development**, as well as the **participation** in **dataspaces** for organizations of all types and sizes. It does not favor a specific industry or type of organization and is fully dedicated to enable **global adoption of dataspace technologies** to foster the creation and operation of **trusted data sharing ecosystems**.

The working group will have a strong focus on participating in **standards** development, implementation and onboarding of existing **open-source projects** and providing **guidance** to associated projects on **alignment** with the overarching goal of supporting a broad ecosystem of **interoperable dataspaces**.

Core Objectives

Core & Protocols

- Core protocol specifications
- Standardization
- Alignment between specifications and OSS projects

Data Planes & Components

- Data plane implementations
- Advanced technology integration
- Additional (optional) components

Authority & Management

- Tools and workflows for dataspace management
- policy management
- member management
- starter kits

Relation to other initiatives

INTERNATIONAL DATA
SPACES ASSOCIATION



iSHARE



gaia-x



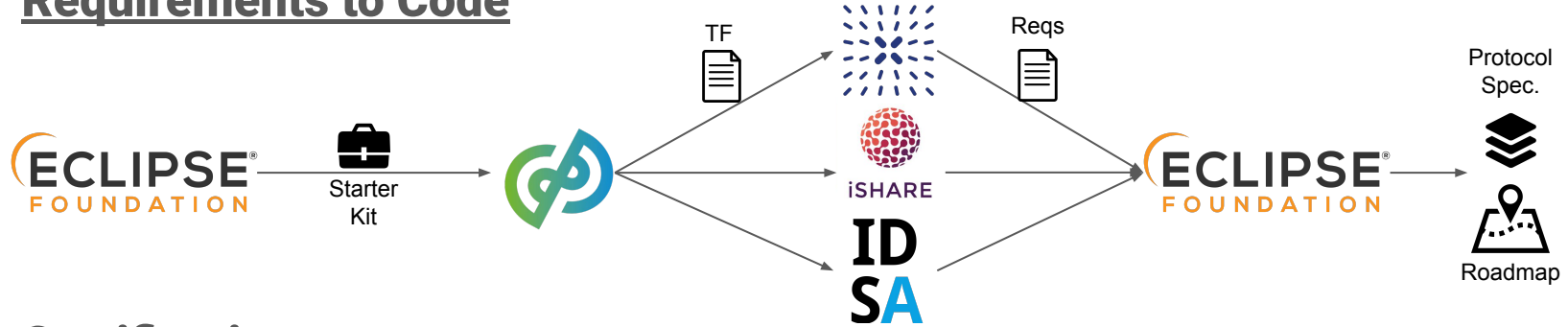
DATA SPACES
SUPPORT CENTRE

- > Collaborate in discussions on **dataspace** characteristics and **trust framework** (+ validation process) definition and essential **standardization (ISO)**
 - > **Certification** scheme provider for dataspace
 - > Funnel for **feedback** from multiple dataspace **implementations** into the EDWG and associated projects
 - > Driving **adoption** of Dataspaces
- > Alignment on **political & strategic** dataspace topics (**Data Act**)
 - > **Strategic alignment** with multiple dataspace related organizations (IDSA, Gaia-X, DSBA, i-Share, X-Roads,...)
 - > Provide support and “**Quick Start**” help to dataspace projects

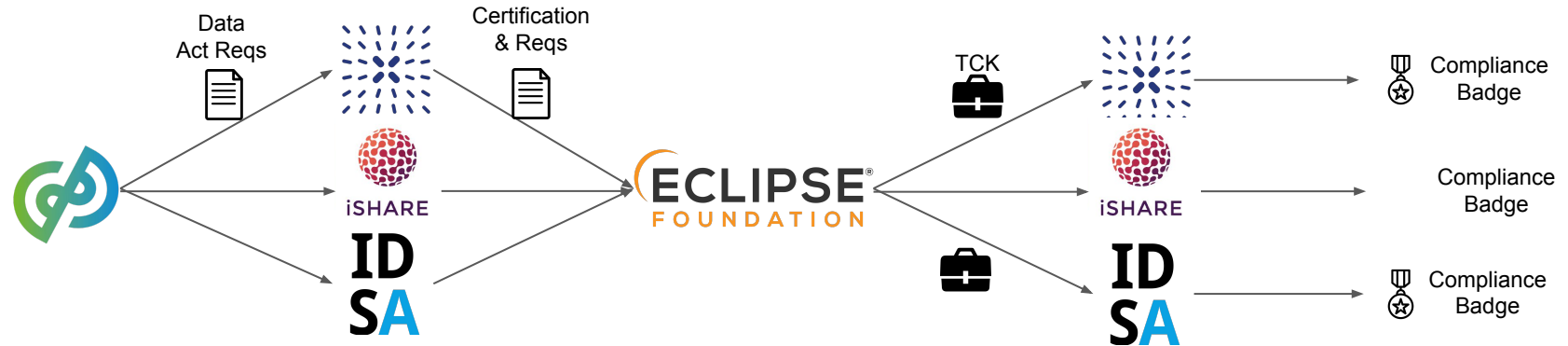
Potential Top-Down Value Chain



> Requirements to Code



> Certification



Protocols and standards



- > **Category A** liaison with [ISO/IEC JTC 1/SC 38](#) (Cloud Computing and Distributed Platforms)

Data Space protocol

Trust Framework

Other potential
interests:

Identity

Gaël Blondelle

Chief Membership Officer

gael.blondelle@eclipse-foundation.org

[@gblondelle](#)

Thank You!

