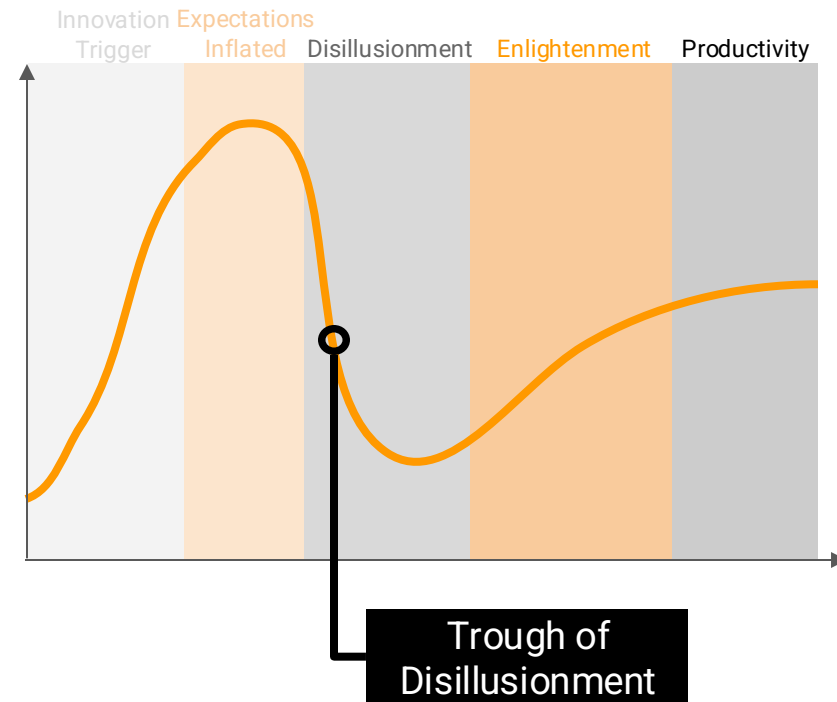
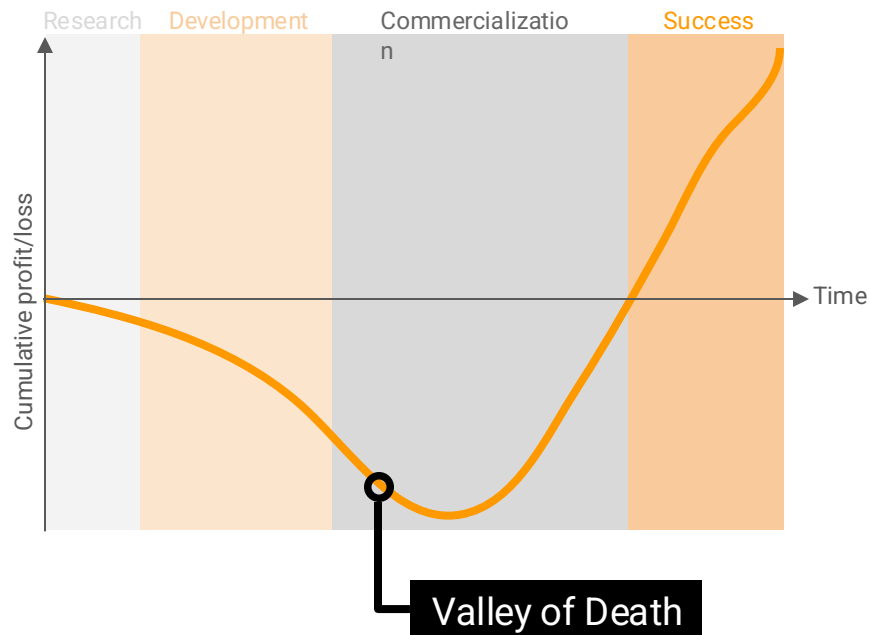




What is next? Towards Dataspace Interoperability: Open standardisation & implementation

Javier Valiño — Program Manager, Data Spaces
October 22, 2024

What is the current status?



Good news: It is up to us!

We stay and we become a Walking
Dead



We make it through and we become
the new big thing!



The Dataspace road so far



Data Sharing
technologies
Data lakes,
platforms and
sharing hubs



EU strategy for Data
Data Governance
Act
EU Data Act
Single Digital
Market



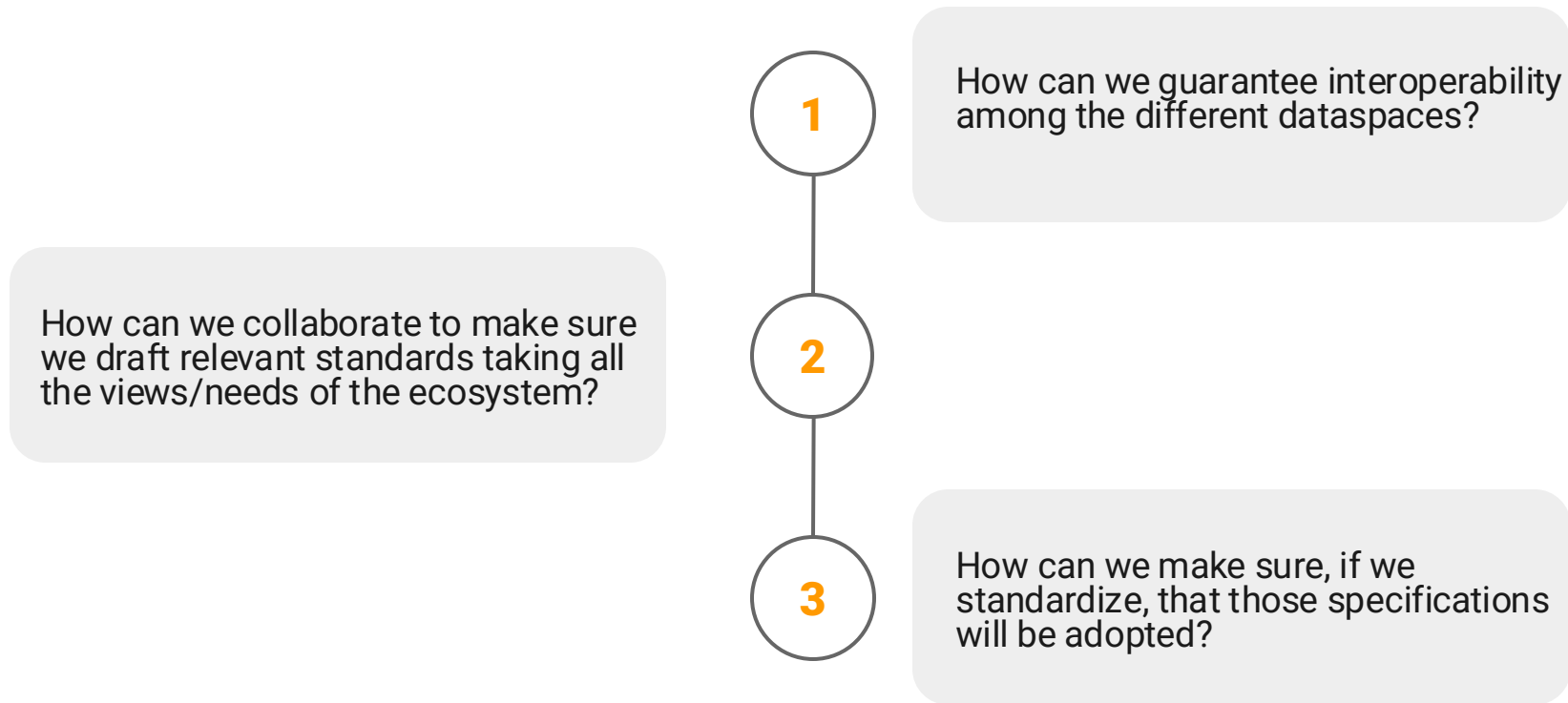
Identification of
relevant use cases
Definition of base
requirements
Reference
Architectures



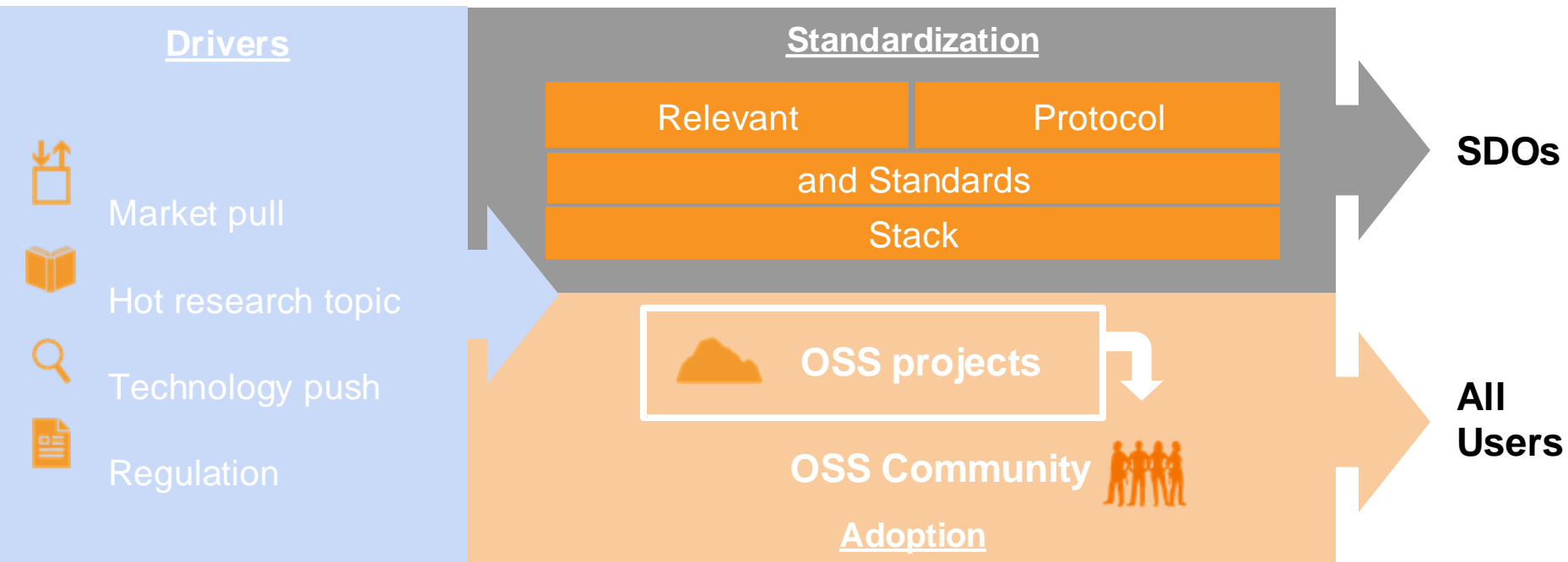
Sectorial Data
Spaces



The questions ahead of us



From inception to adoption












How can we structure this for Dataspaces?

Data Act Chapter VIII

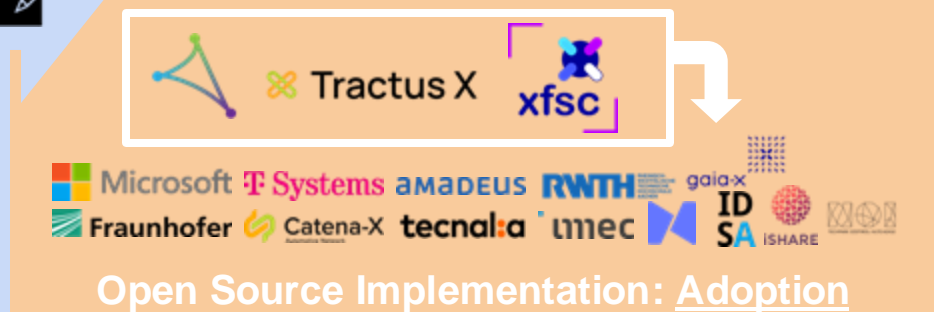
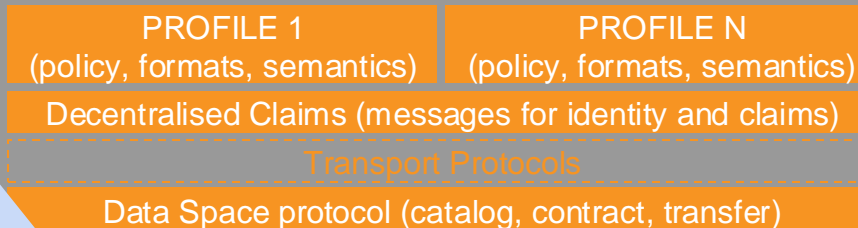
Interoperability - Article 33

-  Automatic access & transmission
-  Open formats & vocabularies
-  Find, access & use
-  Smart contracts

Interoperability - Article 36

-  Consistency
-  Safe termination/interruption
-  Robustness & access control

Open Source Specification: Standardization

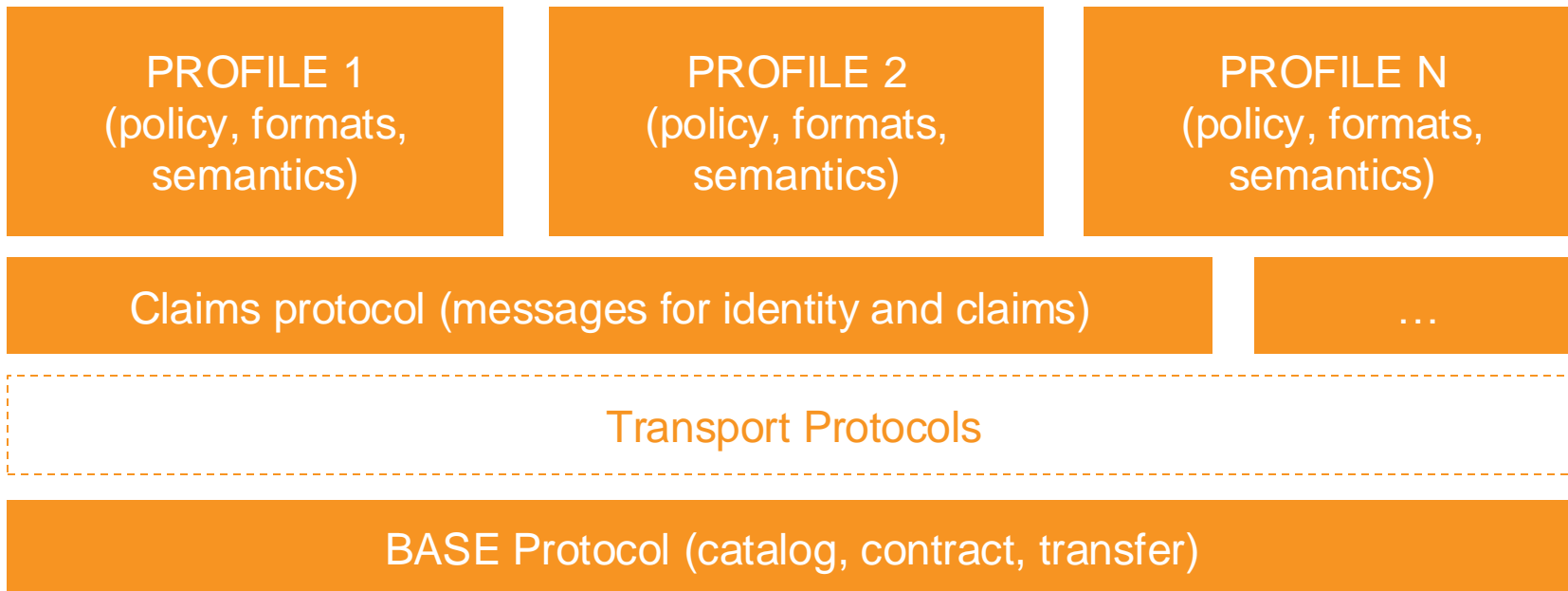


MISSION: “Build and promote **open-source software, specifications, and open collaboration** models needed to create **scalable, modular, extensible, industry-ready** open-source **components** based on open **standards** for dataspaces”

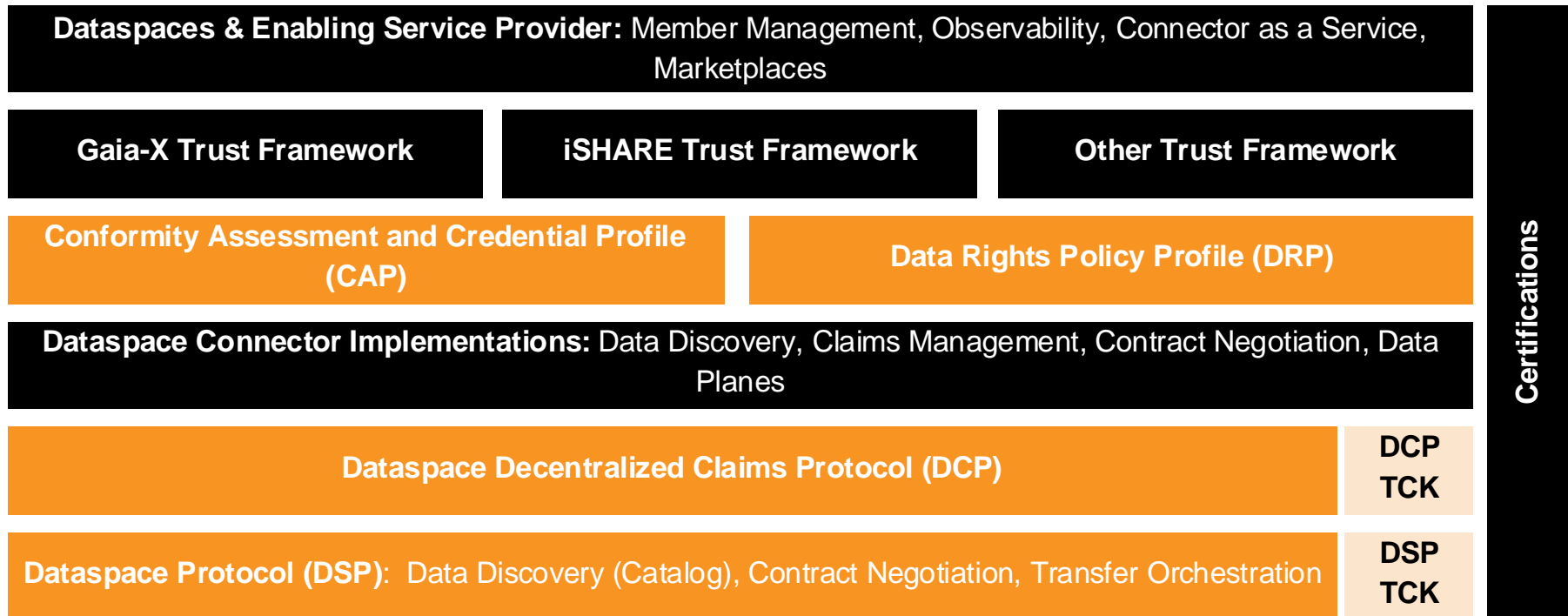
Protocols and Standards



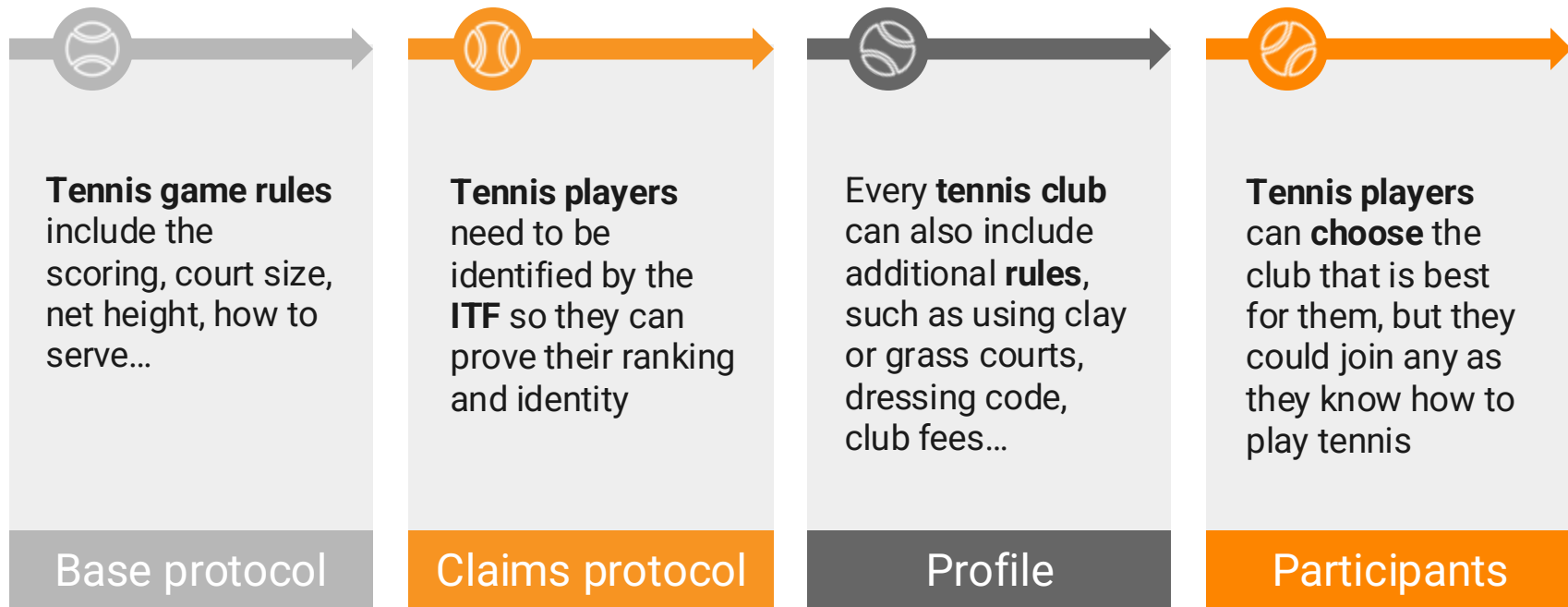
> Minimum **interoperability protocol stack** for dataspaces



How do these protocols fit into the full stack?

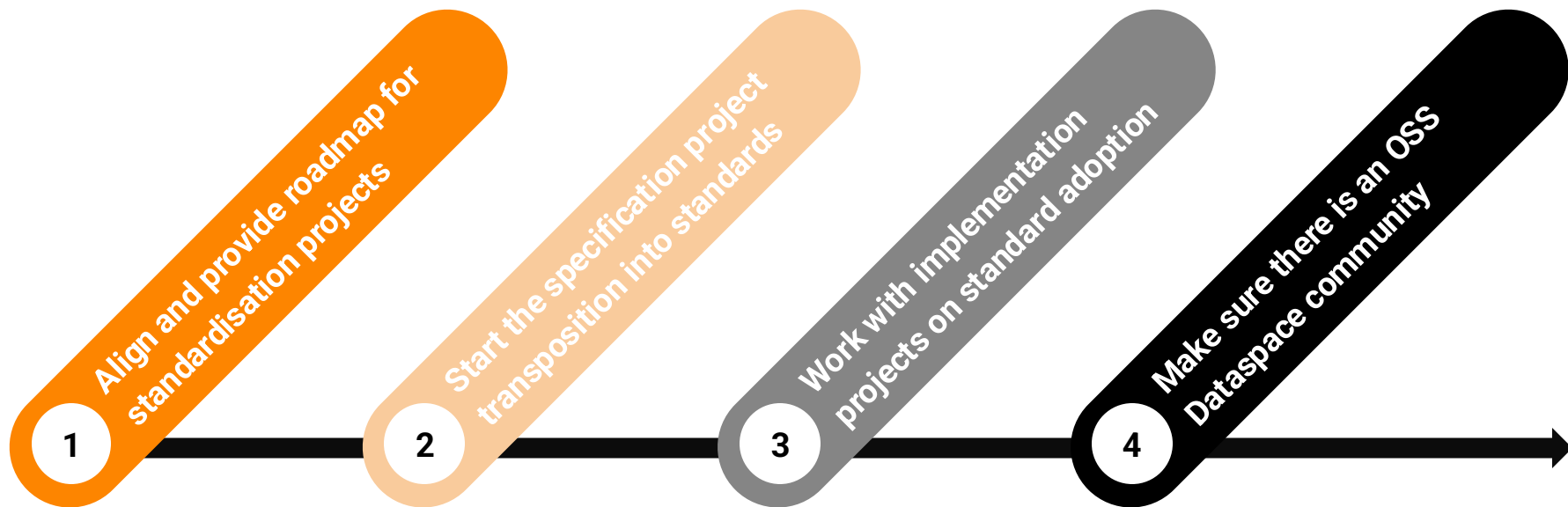


Why do we need standards? The Tennis analogy



Credit for the analogy: Gianfranco Cecconi (IDSA)

Short term goals



Where are we doing this? The EDWG in 2024



#1604

Commits

#6

Projects

#74

Contributors

#13

Member
Organizations

#10

Participation
in events

#2

Community
calls

#35933

LinkedIn
impressions





**Do you
agree...**

... we need to work on **technical standards**?

... **Open Source adoption** is key to the success of Dataspaces?

... an **Open Dataspace community** will benefit the ecosystem?

... **collaboration** is the only way forward?

Join us!



amadeus



INTERNATIONAL DATA
SPACES ASSOCIATION



RWTH AACHEN
UNIVERSITY

T Systems



tecnal:a
MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE



imec



Contact membership.coordination@eclipse-foundation.org

Curious about dataspace standards?



You Too Can Be a Standards Expert!



October 23, 2024 4:00 PM-4:45 PM CET

OCX Tracks

Breakout 2 Main Hall

Did you know the Eclipse Foundation is involved in international standards? The Sparkplug specification, which defines a protocol relevant to industrial automation, became the Foundation's first international standard in October 2023 and is now known as ISO/IEC 20237. This is a significant achievement for the Foundation and the Sparkplug specification project.

Every Eclipse specification project holds the potential to evolve into an international standard. Whether you're already involved in one or considering starting a new project, this is your chance to become a standards expert! But what does this journey entail, and what opportunities does it present?

In this presentation, you will learn about the major organisations shaping international standards, such as ISO, IEC, ISO/IEC JTC 1, IEEE, and W3C. You will understand how they work and relate to the Foundation and how you can participate as an Eclipse contributor or as an individual. You will also gain an understanding of the Eclipse Specification Process and how it ties into the Publicly Available Specification (PAS) process offered by ISO/IEC JTC 1.



Frédéric Desbiens
Senior Manager, Embedded and...
Eclipse Foundation



Javier Valiño
Program Manager
Eclipse Foundation

Bottomline...



“We’ve solved every technical problem. Now we just have to solve the problem of someone actually buying it!”



Thank you!