

Technical Compatibility VS Compliance: The Gaia-X Value Proposition

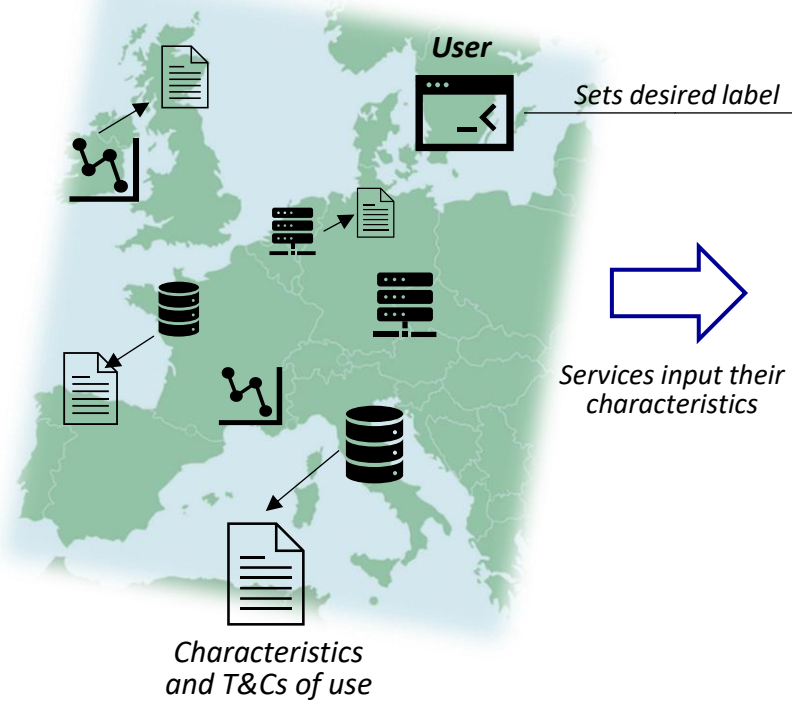
Alberto Palomo

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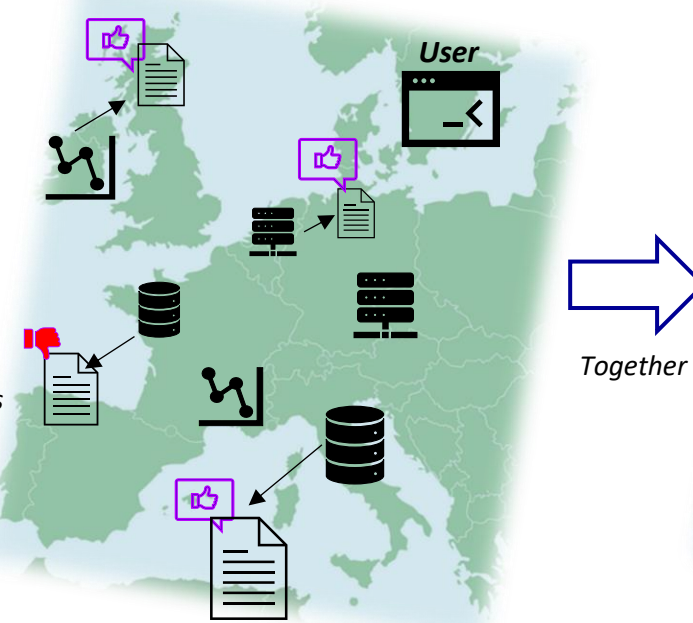
Gaia-X as a Gateway for Digital Ecosystems



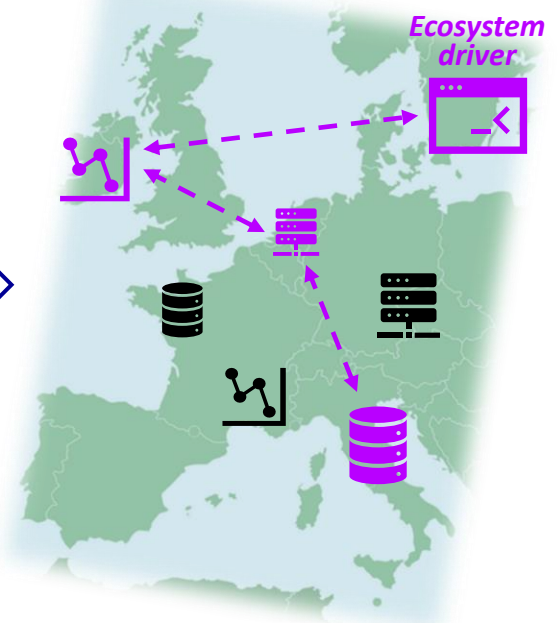
Preexisting **data & infrastructure services** over different domains & geographies



A list of **compliant** services according to rules & labels requested by user



A **trusted** decentralised digital ecosystem



Gaia-X Technical Compatibility

Architectural & technological specifications

This document is **rule agnostic**, and prescribes how to describe services in a way compatible with the Gaia-X Standard

Gaia-X Compliance

Gaia-X rules for trusted federated data and infrastructure

This document is **technology agnostic**

The actual technical interconnection is out of Gaia-X AISBL's scope, implemented instead by Gaia-X projects.

Having a common metric system for trust (identities, behaviour, SLAs, etc.) is critical for achieving critical mass in federated digital ecosystems!

Gaia-X Technical Compatibility

Gaia-X Compliance

Gaia-X Endorsed Project

Is obtained using

Is obtained using

Becomes by using

GAIA-X DELIVERABLES

Gaia-X Trust Framework

Gaia-X Technical Compatibility Specs.

- Gaia-X [Architecture doc](#)
- Gaia-X [Data Exchange doc](#)
- Gaia-X [Identity, Credential and Access Mgmt doc](#)
- Gaia-X [Ontology](#)
- Gaia-X Labelling Framework



Technical Compatibility Kit (TCK)
& Reference Software Toolkit

Gaia-X [Compliance Document](#)

- Gaia-X Labels: *Standard Compliance* and *Levels 1 to 3*
- Applicable to ICT services, data exchange services, and Participants (*soon*)



Gaia-X Digital Clearing Houses
([GXDCH](#))

Gaia-X [Endorsement Programme](#) for

- Gaia-X Qualified Project
- Gaia-X Lighthouse Project
- Gaia-X Lighthouse Data Space



Assessment
based on endorsement criteria

GAIA-X VALUE

Digitisation of the Conformity
Assessment process

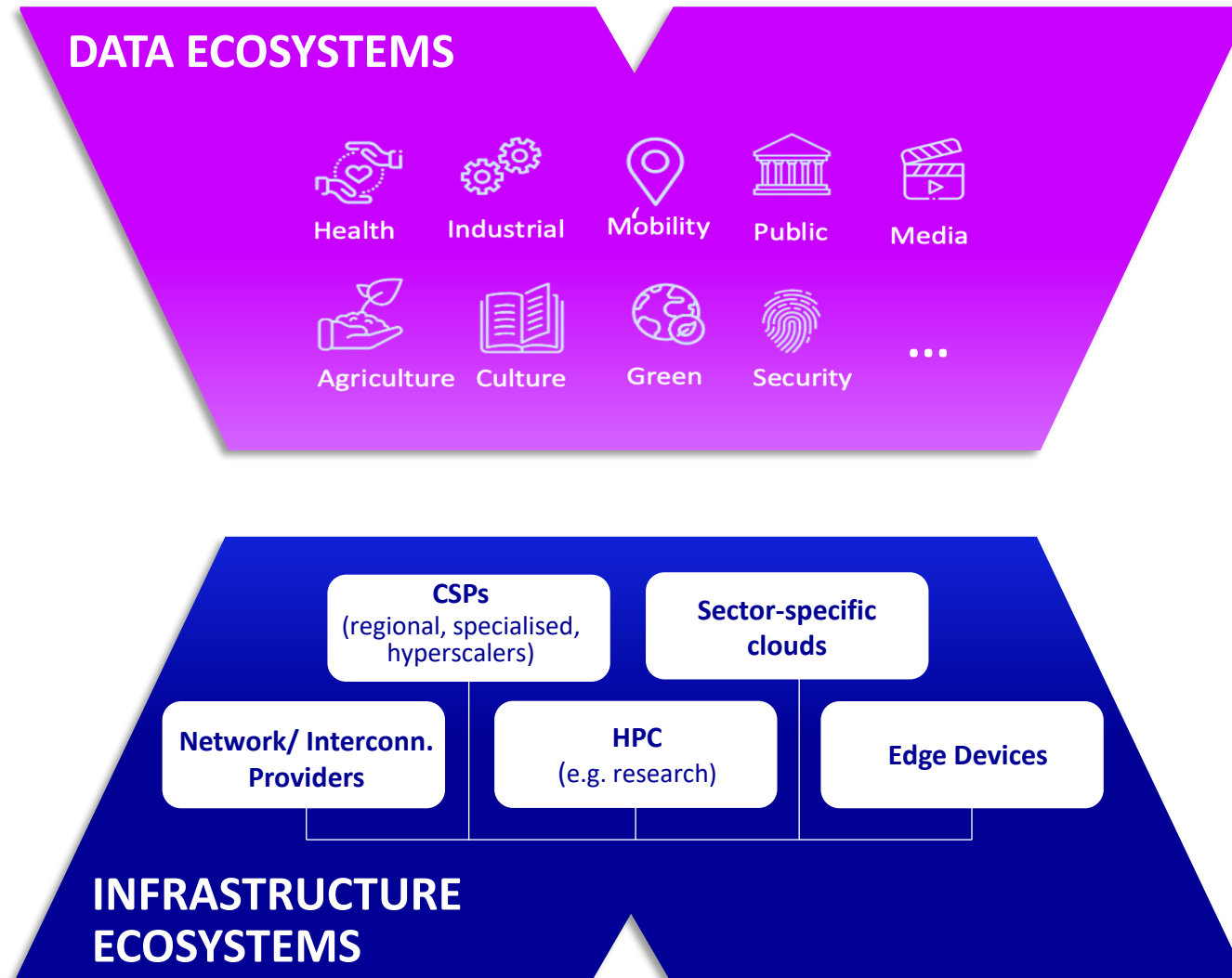
Common rules that everyone
can understand & follow

Digital ecosystem with clear &
measurable governance rules



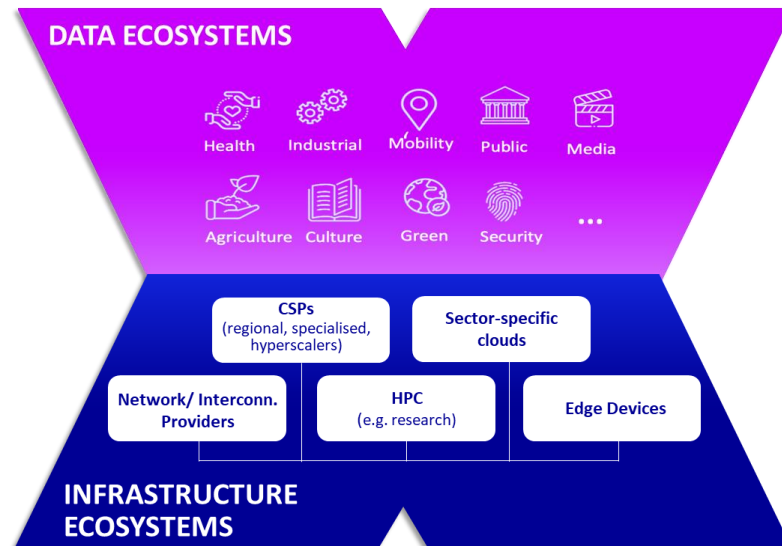
The Current 'Split-X' Model

Disjoint data & infrastructures ecosystems



The Gaia-X Model

- Gaia-X connects the **upper & lower part of the X**, the “data” and “infrastructure” layers



- This is because **data resources get serviced via interfaces** calling different infrastructure elements
- Thus, transparency and control at the infrastructure level are enabling **better data governance and sovereignty**



Current Gaia-X Specifications



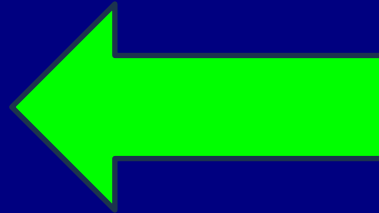
Gaia-X Technical Compatibility	Gaia-X Compliance	Gaia-X Endorsed Project
<ul style="list-style-type: none">• W3C DCAT• Eclipse DSP• ...	<ul style="list-style-type: none">• Data exchange service• Data Usage Agreement	<ul style="list-style-type: none">• <i>TBD</i>
<ul style="list-style-type: none">• W3C ODRL• W3C VC• Gaia-X Ontology• OID4VC	<ul style="list-style-type: none">• Gaia-X-labelled ICT services• ...	<ul style="list-style-type: none">• 5 service credentials
<ul style="list-style-type: none">• Gaia-X TRAIN• ETSI 119 612• ASICE file• ...	<ul style="list-style-type: none">• Definition of 'Participant'• KYC/ KYB• Power of attorney• Eclipse CAP	<ul style="list-style-type: none">• Public registry• Data space membership credential

Data Spaces Symposium

Share data. Unlock value. Boost impact.

Warsaw | Hilton Hotel

11 & 12 March 2025



Check out the event
program and secure your
tickets!

www.data-spaces-symposium.eu

Thank-You



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