

Gaia-X | Accelerating sovereign, data-driven ecosystems

Energy vertical

Martine Gouriet / 13th of september 2023

The Gaia-X Energy Vertical ambition:



- Provide an ecosystem for the **development of use cases at a European scale to foster the energy transition and reach carbon neutrality.**
- Sharing data in a **trusted, secure and sovereign way**, reaching a significant size and becoming a reference for the industry.

Timeline of the work done






- A position Paper in 2020, with 25 use cases
- Launch by the European Commission of a Call to build « Energy Data Spaces » - 2021
- 3 Projects, compliant with Gaia-X, won the European Call : Octobre 2021
Omega-X, Data Cellar, Enershare
- First Semester 2022 : Launch of the Projects
- Eddie which is also Gaia-X compliant becomes the 5th project to build the energy data space
- February 2023 - Steering Committee of Gaia-X Energy Data Space with 22 companies coming from 11 European countries
- March 2023 – Omega-X becomes one of the 10 lighthouse projects of Gaia-X




What is Gaia-X : an association with more than 350 members



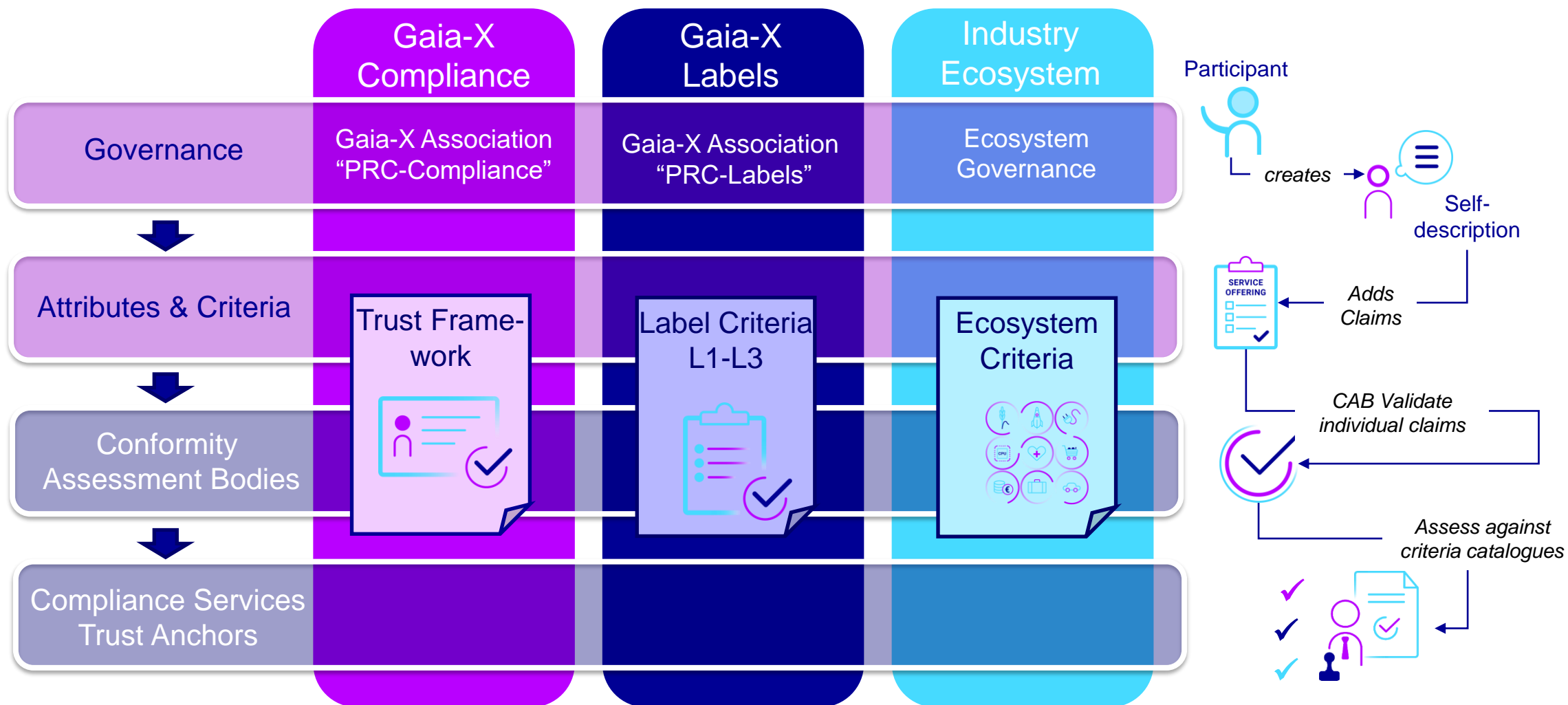
What we are

	Gaia-X is	<ul style="list-style-type: none">> A single point of definition of Gaia-X architecture & rules> Making available an open implementation to all> A qualification authority for Gaia-X compliance
	Gaia-X Is Not	<ul style="list-style-type: none">> A formal standardization body> A SW or HW product or cloud platform> A runtime implementation of any Gaia-X service
	Gaia-X vs AISBL	<ul style="list-style-type: none">> Gaia-X project is driven by the Association> Gaia-X architecture is developed by members> Gaia-X services will not be operated by the Association

What we do

	Specify	Specs
	Develop	Code
	Qualify	Labels



Gaia-X Compliance - Enable Trust & Governance



Gaia-X Digital Clearing House



GXDCH Components*

-  Gaia-X Registry (compulsory)
-  Gaia-X Compliance (compulsory)
-  Wizard (optional)
-  Catalogue (optional)



- A GXDCH* is a **node of verification** of the Gaia-X rules
- It is the place to go to **obtain Gaia-X compliance** and become part of the **Gaia-X ecosystem**
- There are **multiple nodes** operated **by service providers**, acting as Federators
- The GXDCH services are under **Gaia-X AISBL governance**
- Operating a GXDCH is **open** to all service providers, who comply to the GXDCH operations rules**

* Current list, may expand in future releases

Next steps



- New release of the Gaia-X specifications in November 2023
- Demonstration in Alicante at Gaia-X Summit 9-10 of November 2023
- Omega-X, Data Cellar, Eddie and Enershare will have to work on these specifications in order to be compliant
- Work on the European Energy Data Space Governance and Standards, and contribute to the Data For Energy Working Group
- Let's make data sovereignty and energy uses real !