

Gaia-X Digital Clearing House

Solution Overview

The **GXDCH** provides the verification backbone of a Gaia-X ecosystem. It validates the correctness, integrity and authenticity of service descriptions, participants, policies and evidence published. Acting as a trusted, automated control layer, the GXDCH ensures that every published element complies with Gaia-X syntax, trust anchors and governance requirements. It enables CSPs and data space operators to register services, verify conformity, and maintain a consistent trust posture across federated ecosystems.

Key Benefits

- Automates trust verification, validating service metadata, participants and conformity claims before publication in a Gaia-X federation.
- Ensures integrity and authenticity, using cryptographically-secured checks, signatures and provenance-validation.
- Reduces onboarding friction for CSPs and data-space members by providing fast, automated compliance validation aligned with Gaia-X, avoiding manual inconsistencies or governance drift.
- Strengthens interoperability, as validated services follow a consistent, common structure understood across multiple federations and catalogues.
- Supports continuous compliance, enabling automated re-checks when services evolve, ensuring alignment with Gaia-X's "evergreen" governance.

Relation to Gaia-X

The **GXDCH** operationalises the Gaia-X Compliance Framework by validating services, participants and conformity claims before they join a federation. It underpins the Gaia-X Federated Catalogue with trusted, policy-aligned verification, ensuring transparent and sovereign-by-design governance.

More Information

<https://docs.gaia-x.eu/#/gxdch>