Lighthouse Projects

Making strides in navigating digital transformation with lighthouse projects

These projects aim to create a data exchange platform built on transparency, trust, and openness, targeting multiple industries, such as Agriculture, Mobility and Manufacturing, to name a few. Furthermore, these projects will help us bring and create a coherent data space for sharing data, helping to leverage Gaia-X’s use cases to build the current lighthouse pipeline and build a comprehensive pipeline of future lighthouse projects.

More info on the lighthouse projects
https://gaia-x.eu/who-we-are/lighthouse-projects/
A European operator of consent and data exchange platforms, Agdatahub has joined forces with Gaia-X to create value in agricultural chains by mobilising data intelligence for healthy, traceable, and environmentally friendly food and technical advice tools to farmers.

Catena-X is the first collaborative, open data ecosystem for the automotive industry of the future, linking global players into end-to-end value chains - as simply, securely and independently as never before.

This project presents the first Gaia-X implementation in Switzerland. A new model of data collaboration is being developed along Elinor Ostrom’s Principles of Commons that will enable the public and private sectors to share data easily and targeted. Data is routed based on individually specified and legally binding data sharing agreements, directly from data provider to data consumer, without ever being stored centrally. Elinor-X provides the foundation for data sources of future digital twins that will enable government and other public service providers to solve important and pressing challenges through data-driven decision-making.

EONA-X aims at improving Mobility, Transport & Tourism thanks to data sharing. This dataspace was founded by key mobility and transport players, such as Air France KLM, Amadeus, Groupe ADP, Aéroport Marseille Provence, SNCF, Groupe Renault and welcome active members such as Apidae Tourism.

EuProGigant - stands for the vision of a smart, resilient and sustainable European manufacturing industry. By March 2025, the project team will set up a multilocation, digitally networked production ecosystem. In interaction with Gaia-X, EuProGigant not only enables sovereign data management, but also offers a new dimension in the analysis of the companies’ own production processes by making cross-company data value chains in a multi-platform ecosystem describable.

The project focuses on the sovereign data exchange in the mobility sector, offering an ecosystem for everyone working on innovative, environmentally sustainable, and user-friendly mobility solutions. By facilitating Gaia-X compliant data exchange, the Mobility Data Space enables its members to participate in the data economy on equal and fair terms based on shared European values.

Smart Connected Supplier Network (SCSN): It is an open data lighthouse ecosystem along the lines of Gaia-X that enables data sharing in a manufacturing environment, resulting in fast, safe, secure, and efficient data exchange within the high-tech supply chain.

Structura-X: A lighthouse project for European cloud infrastructure endeavours to enable existing Cloud Service and Infrastructure Providers (CSP) data and infrastructure services to be Gaia-X certifiable.
This will include federated infrastructure, data marketplace and service marketplace, involving data sharing between different stakeholders and demonstrating its value for concrete energy use cases while guaranteeing scalability and interoperability with other data space initiatives.

The focus of the 6 projects is on the Gaia-X-based implementation of future mobility applications. Due to the product proximity of the applications, data-based networking with manufacturers, suppliers, service providers and users is particularly important. Around 80 players from all application, research and topic areas of mobility, especially information and communication technologies, are involved in GAIA-X4 Future Mobility.