Lighthouse Projects

gaia-x
Lighthouses

Making strides in navigating
digital transformation
with lighthouse projects

agdatahub

Catena-X
Automotive Network

ELINOR X

EONA-X

EuPro Gigant

Mobility
Data Space

sc sn smart
connected
supplier
network

gaia-x moveID

Structura-X

omega-x

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/

Agriculture
Agdatahub

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.

Automotive Supply Chain
Catena-X

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.

Urban Data Cooperative
ELINOR-X

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.
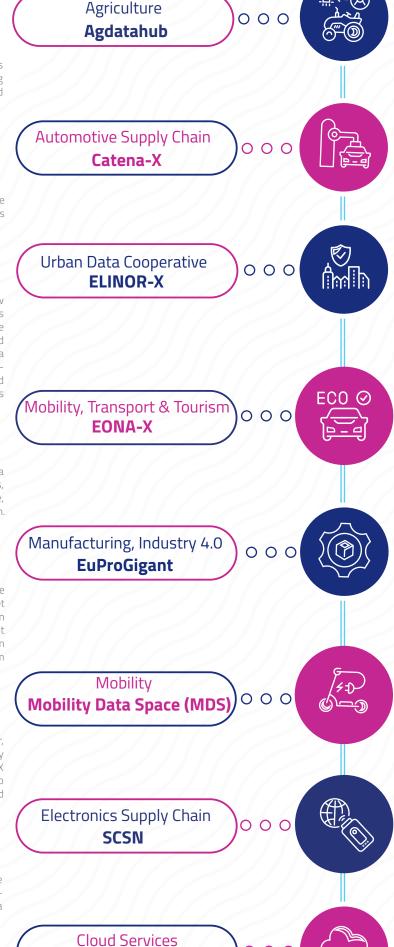
Mobility, Transport & Tourism
EONA-X

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.

Manufacturing, Industry 4.0
EuProGigant

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.

Mobility
Mobility Data Space (MDS)

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.

Electronics Supply Chain
SCSN

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.

Cloud Services
Structura-X

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.

Energy
Omega-X

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.

Mobilty & Transport
GAIA-X4 Future Mobility

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.