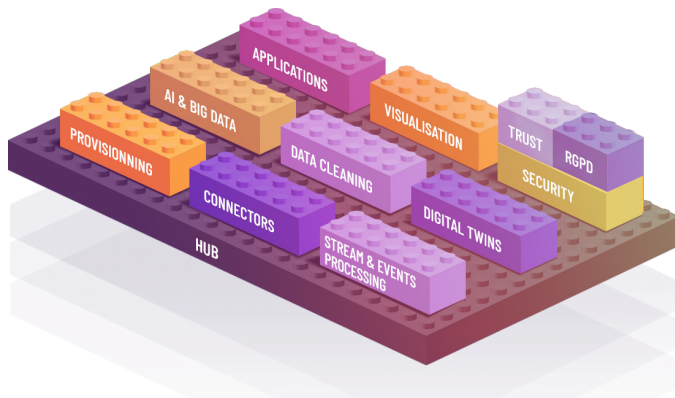




The engine to make YOUR intelligent solution a reality

An open, interoperable and standardized ecosystem to manage your information flows



Stellio collects **your heterogeneous data** from sensors (environment, energy, etc.), information systems and other sources (weather, traffic, etc.).

Stellio contextualizes data from your applications in time (time series) and space (GIS) to allow a **multi-domain use of the information**.

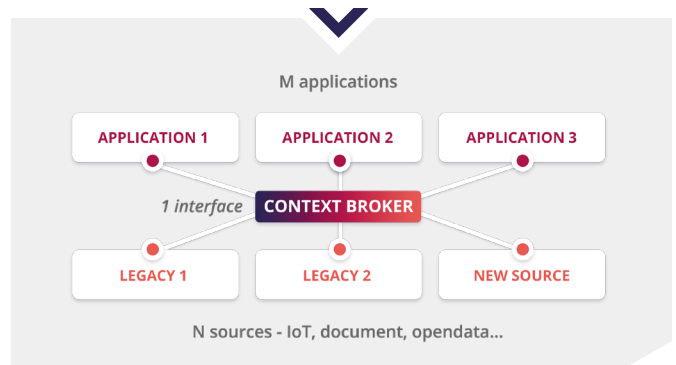
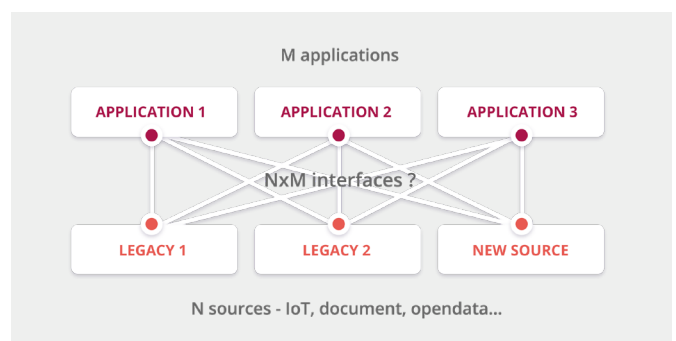
Stellio allows you to connect applications and dashboards to **discover, visualize and exploit your data to act**.

Stellio is the basis for building an effective **Decision Support System (DSS)**.

Stellio is **scalable, interoperable** and connects to your existing systems.

Stellio is at the heart of the **FIWARE** European open-source ecosystem, based on **ETSI** open standards, avoiding any risk of vendor lock-in.

Examples of applications: Connected territories, Environment, Water management, Energy management, Risk management and Urban data platform.



Main features

Contextualize data

Stellio collects and contextualizes data by associating geo-temporal attributes and semantic links. Built around a NGSI-LD context manager that ensures the exchange of information between providers, consumers and data processors, it also ensures the storage and history of data and secures their access.

All data is accessible via a web interface (NGSI-LD RESTful API).

Data visualization

Stellio offers the ability to visualize data with a customizable graphical interface, flexible dashboards, graphs, digital and analog gauges, maps and much more. Client business applications, both web and mobile, connect via the standard NGSI-LD API.

Architecture

Stellio can be deployed under different types of architecture: centralized, distributed or federated depending on the needs of deployment and data sharing.

Integrated databases

Stellio relies on high-performance and state-of-the-art databases: graph database for maintaining context and semantic information, time series database for optimized management of time series and geospatial database for the provision and integration of GIS services.

Data access

The interface allows to access data by direct call to the API («what is the average temperature in this area? » or to subscribe to notifications (e.g. thresholds exceeded, geofencing).

Security and privacy

Stellio integrates full support of OpenID Connect and OAuth2 standards for identity, authentication and access management. A rights management within the data graph allows a fine control of access to the data for the respect of privacy in the context of the GDPR.

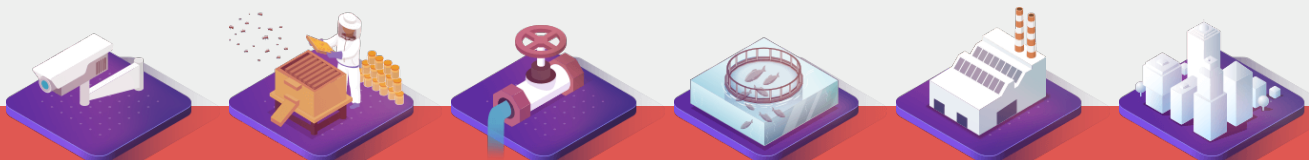
Connectors & APIs

Stellio natively integrates the IoT connectors of the FIWARE ecosystem: LoRaWAN, Sigfox, ... It also allows the connection and transformation of data from any type of external source (FTP / WS connector, CSV / XML data, OpenData, etc.)

Specific connectors can also be developed on demand.

Open source & standard

Stellio as well as all FIWARE components are provided under an open software license (APL 2.0 in the case of Stellio). STELLIO is aligned with the ETSI NGSI-LD specification and compatible with the FIWARE ecosystem offer. You have a mature and durable solution.



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