

**VTT**

# VTT – IDSA Hub Finland

beyond the obvious

### IDS Vision

The International Data Spaces (IDS) reference architecture forms the basis for data ecosystems and market places based on European values, i.e. data privacy and security, and offers equal opportunities through a federated design. That is why the IDS Association has specified an architecture, interfaces and sample code for an open, secure data ecosystem made up of trusted partners.

### IDS Architecture

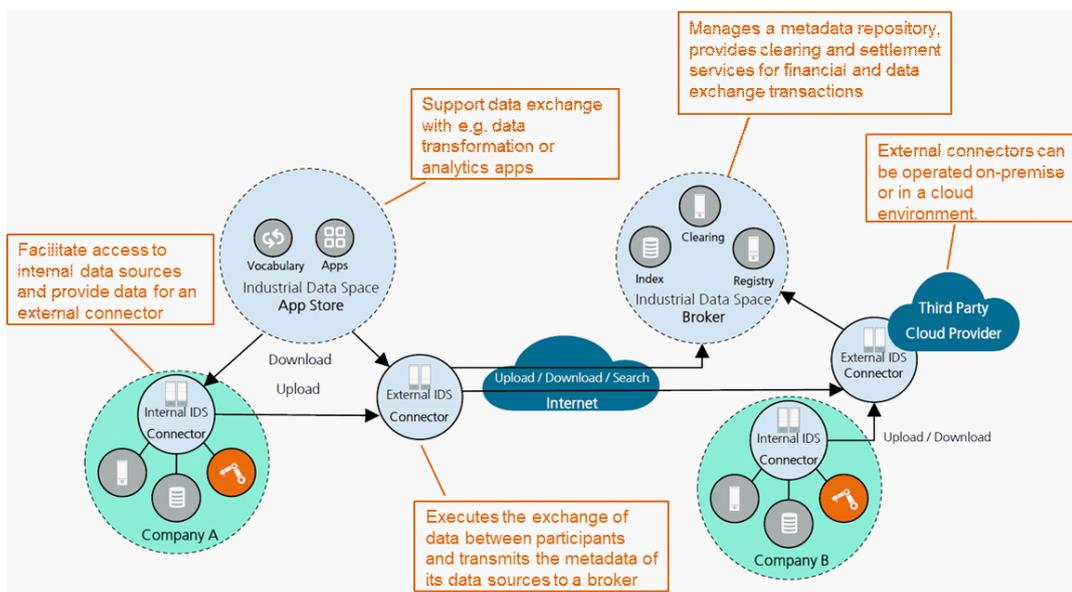
The reference architecture model for the Industrial Data Space consists of four partial architectures 1) Business architecture, 2) Data and service architecture, 3) Software architecture and 4) Security architecture. It presents a blueprint for safe data exchange and the efficient combination of data and can be configured for each individual case.

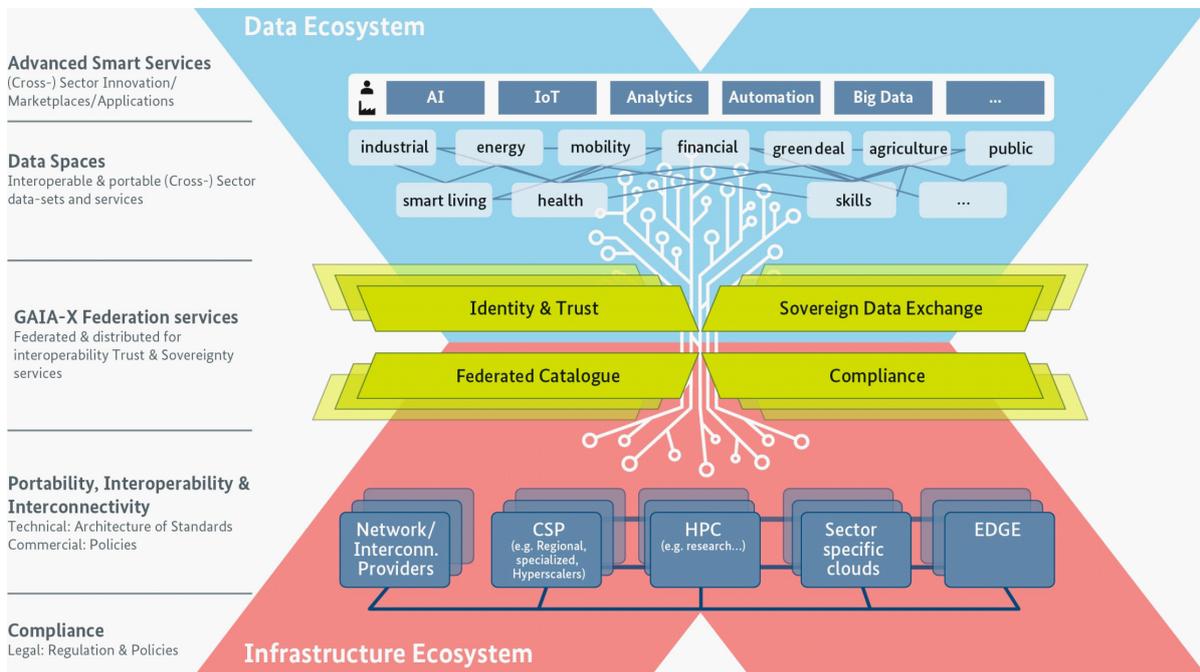
### IDSA Hubs

The International Data Spaces Association (IDSA) started in Germany and has strong roots there. To foster the knowledge transfer the IDSA facilitates international hubs that share basic knowledge on the ideas and concepts of the IDS in their countries. VTT is the Finnish IDSA Hub that enables trustworthy and secure data exchange based on the IDS in Finland.

### GAIA-X – The next big thing

GAIA-X is a proposal for the next generation of a data infrastructure for Europe based on IDS technology: a secure, federated system that meets the highest standards of digital sovereignty while promoting innovation. GAIA-X is the cradle of an open, transparent digital ecosystem, where data and services can be made available, collated and shared in an environment of trust.





### IDSA Members

The IDSA consists of an array of members belonging to major industries. Additionally, there are renowned software companies and research institutions collaborating with the IDSA. ●

VTT is a visionary research, development and innovation partner. We drive sustainable growth and tackle the biggest global challenges of our time and turn them into growth opportunities. We go beyond the obvious to help the society and companies to grow through technological innovations. VTT is at the sweet spot where innovation and business come together.

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