Data4
Industry-X

a Trusted and Sovereign Environment to Securely
Exchange Industrial Data

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Challenges in the industrial sectors

15years

Flat productivity
For SMEs-ETI
In OECD countries

45%

CO2 emissions of total the
energy related activities
(Scope 1+2)
created by the industrial sector.
55% from Heavy industries
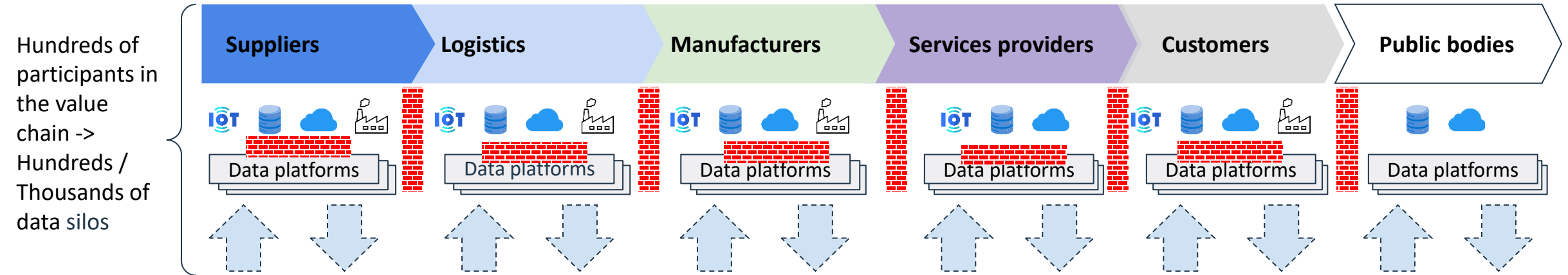*45% From Light industries*

Only **30%**

of industrial companies are
successfully reaping the
rewards of digital
transformation at scale

+ Circularity
+ AI everywhere
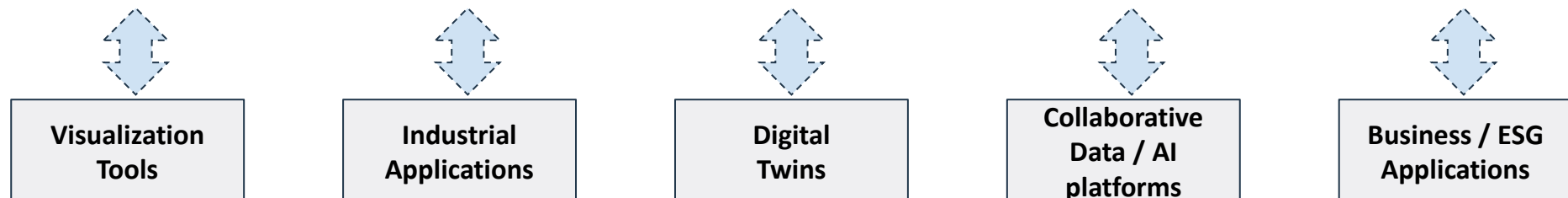+ Sovereignty & Transparency
+ Partnerships Ecosystems

Urgent need to accelerate
industrial digitalisation from Shopfloor to Ecosystems
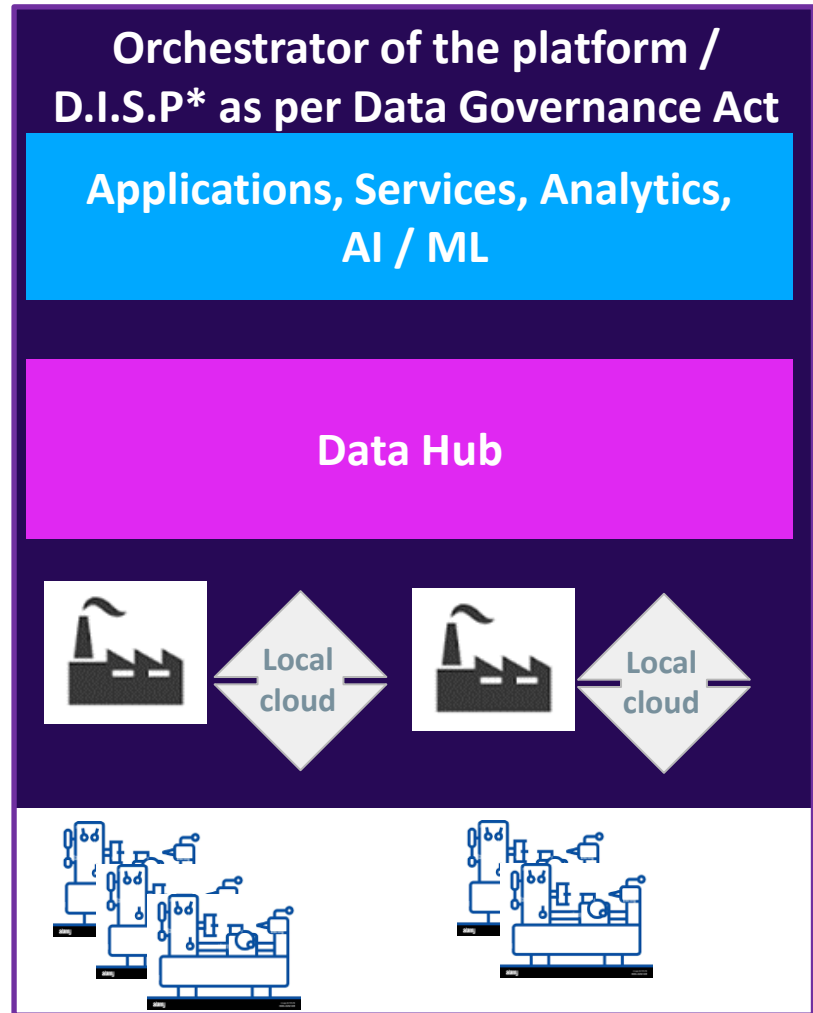to harmonize Productivity, Sustainability and Resiliency.

From Ego to Eco-Systems

Hundreds of participants in the value chain -> Hundreds / Thousands of data silos

Suppliers	Logistics	Manufacturers	Services providers	Customers	Public bodies

Data platforms | Data platforms | Data platforms | Data platforms | Data platforms | Data platforms

- Break Horitontal and Vertical siloes, empower ecosystems to create values
- Connect assets and contextualized shopfloor data.
- Industrial and Environmental optimisation requires a cross value chain sharing of the data:
  - Supply Chain management
  - Optimization and productivity (Quality/Delays/cost)
  - Manufacturing and Maintenance processes
  - Carbon footprint management
- Multiple industry and business applications need to connect to heterogeneous data sources

Visualization Tools	Industrial Applications	Digital Twins	Collaborative Data / AI platforms	Business / ESG Applications

A solution to scale and accelerate datasharing

Orchestrator of the platform / D.I.S.P* as per Data Governance Act

Applications, Services, Analytics, AI / ML

Data Hub

Local cloud

Local cloud

Data4 Industry-X

Services
Insights + decision making

EcoSystem Data Exchange
governed, trusted, compliant, secure and scalable

Factories
Edge micro services & storage, data Exchange controllers

Shopfloor Assets
Data collection & modeling

Joined expertise

DAWEX

cea

Schneider Electric

Valeo

* Data Intermediation Service Provider

4

Next Steps from POC to Adoption

Three building blocks to deploy an industry specific data space :

- Data models, standards and constraints specific to the industrial sector

- Data exchange solution such as Data4Industry-X based

- Trusted operator from the Industrial sector, acting as a Data Intermediation Service Provider

Data4 Industry-X