SpaceAero Webinar
January 2026

DECADE-X
Digital ECosystem for Aerospace and DEfence

Agenda

1. DECADE-X: The project

2. SME Overcoming Challenges

3. DECADE-X Environment Demo

4. Use Cases

5. Next Steps & Call to Action

DECADE-X team visits you today

Laurent Murris
Deployment Lead

Ghislain De Roeck
SME Deployment Sponsor

Jose M Blanco
SME Deployment Lead

Léa Fiorio
SME Deployment Support

Tony Acar
Product Management

And the special intervention of

Alexandre Leroy
Liebherr Procurement Director

Thibaut Bugaj
Lauak Supply Chain Director

Agenda

Actual Challenges and needs

Multi-tier visibility and collaboration to mitigate risk and prevent disruption in the Supply Chain

Export regulation to face an unstable geopolitical context

Prepare supply chain for new development with **seamless collaboration**

Need to **comply with data exchange regulation** focusing on data sovereignty especially in Europe

Our vision

Build together the **Aerospace & Defence digital ecosystem** between aerospace manufacturers, OEMs and SMEs (around 10 000 actors) for multi-tier collaboration to strengthen our supply chain through digital sovereign continuity.
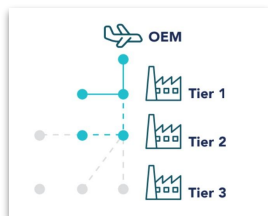
From current discontinued digital supply chain landscape…
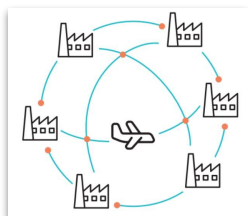
…to new end-to-end Ecosystem with partners

Business Values

4 key differentiating principles:

- **Trust:** protecting data **sovereignty**
- **Interoperability** based on **standards**
- **Multi-tier** collaboration
- SME **adoption**
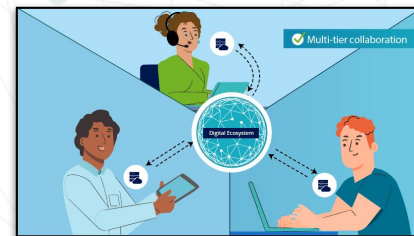
*Ensure **TRUST** based on **Gaia-X** principles:*
*A European initiative to develop federated secure data infrastructure with **trust framework** & **sovereign control over data***

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Journey towards decentralized digital ecosystem, enabling a deeper
collaboration throughout a highly interconnected supply chain

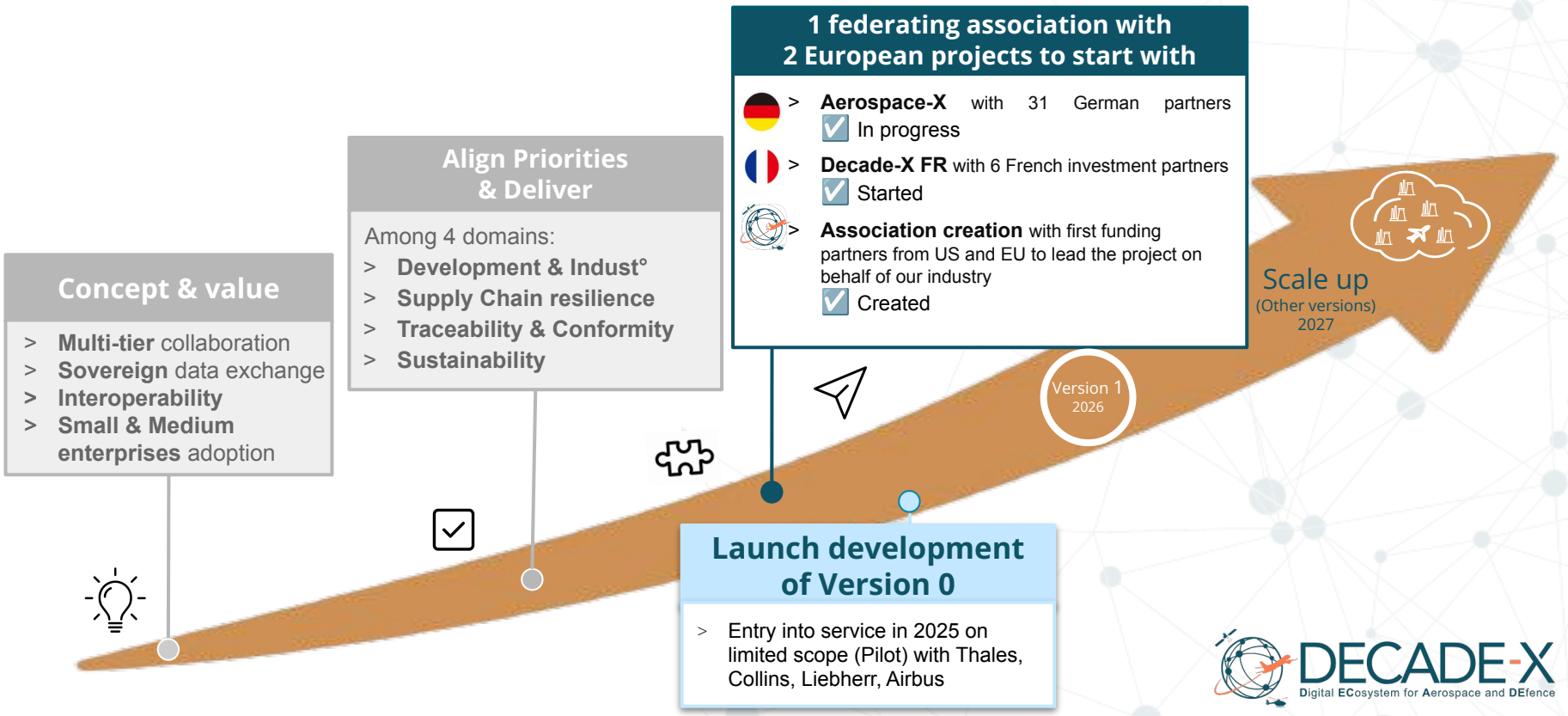**1 federating association with 2 European projects to start with**

> **Aerospace-X** with 31 German partners
✅ In progress

> **Decade-X FR** with 6 French investment partners
✅ Started

> **Association creation** with first funding partners from US and EU to lead the project on behalf of our industry
✅ Created

Align Priorities & Deliver

Among 4 domains:
> **Development & Indust°**
> **Supply Chain resilience**
> **Traceability & Conformity**
> **Sustainability**

Concept & value

> **Multi-tier** collaboration
> **Sovereign** data exchange
> **Interoperability**
> **Small & Medium enterprises** adoption

Scale up
(Other versions)
2027

Version 1
2026

Launch development of Version 0

> Entry into service in 2025 on limited scope (Pilot) with Thales, Collins, Liebherr, Airbus

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Roadmap: Strategic Milestones 2025-2027

Version 0
2025
Proof of Concept

10 companies connected

Version 1
2026
1st Industrial Use Cases & Automation

100 companies connected

Version 2
and beyond
2027
Full Industrial Use Cases & SME Adoption

1000+ companies connected

Unlock the strength of a trusted collaborative supply chain through scalable innovation !

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SME Value Proposition

Addressing SME challenges is critical to achieving success of DECADE X

TODAY

- Build the future solution

- Influence use case standards and solutions to ensure your needs are well reflected

- Benefits from being an early user of a use case

- *No fees until 2028 for the first 100 suppliers.*

TOMORROW

- Simplify operation through standardised data exchange within the industry. (e.g : ease reporting, facilitate data collection)

- Control data usage and storage through access management (volume and duration)

- Market access to future digital supply chain ecosystem

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SME Overcoming Challenges & Pain points

Addressing SME challenges is critical to achieving success of DECADE X

We will cover these barriers from **different perspective** :

ENTRY BARRIERS FOR SME

TECHNICAL OPERATIONAL	CYBERSECURITY TRUST	INTEROPERABILITY INTEGRATION	PROCESSES METHODOLOGIES
High investment costs, ROI	Reluctance to open IT systems	Incompatible software or IS	Lack of client-supplier integration
Lack of internal skills	Fear of data and know-how usage	Absence of a single data standard	Unstructured technical data
Time constraints	Insecure transfer methods	Heterogeneous data formats	Absence of tools for data package
Resistance to change	Lack of a security cloud platform	Unstructured information	Lack of data maturity management

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"Which of these challenges is most critical for your business right now?"

TECHNICAL OPERATIONAL	CYBERSECURITY TRUST	INTEROPERABILITY INTEGRATION	PROCESSES METHODOLOGIES
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What's Your Top Challenge?

Head over to the Q&A in the Webinar Gmeet and let us know what's most important to you with an 👍
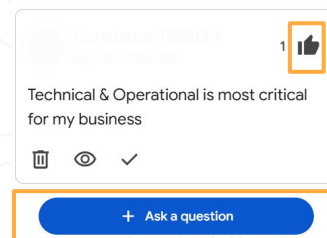*you can also or express yourself with* [🔊 🎤] *or* [+ Ask a question]

Polls
Get a quick pulse of the audience

Q&A
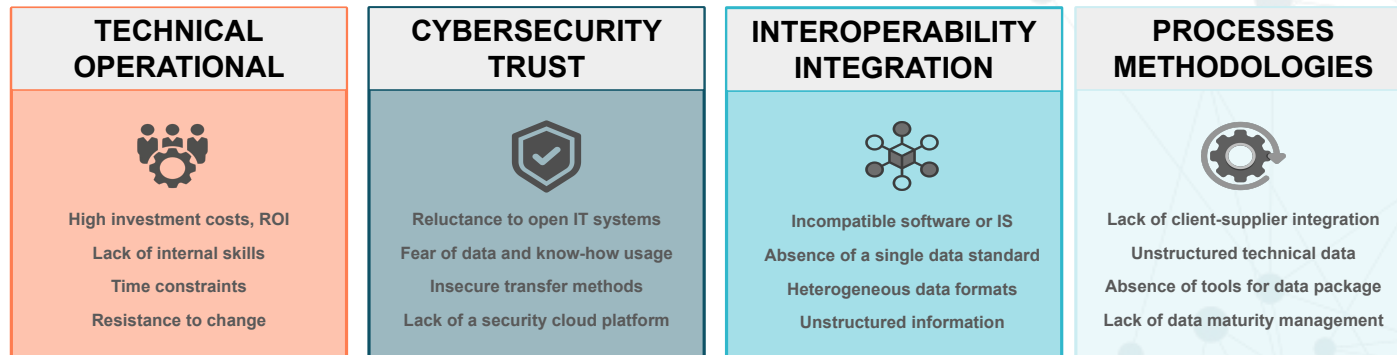Give everyone an easy way to ask questions

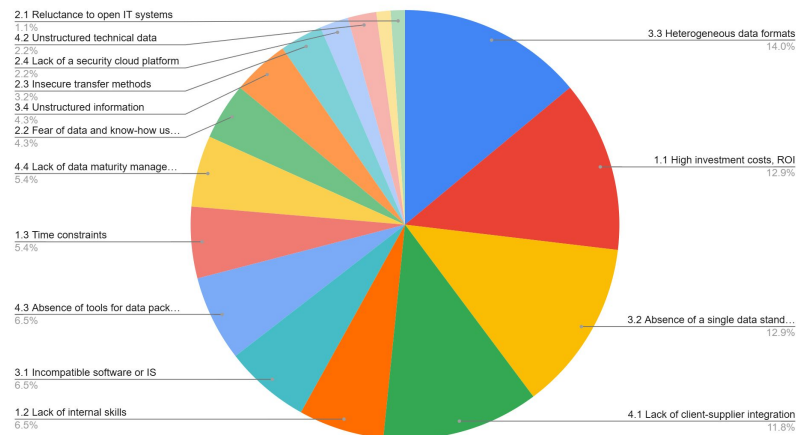Technical & Operational is most critical for my business

[+ Ask a question]

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Survey Results:

Votes

2.1 Reluctance to open IT systems
1.1%
4.2 Unstructured technical data
2.2%
2.4 Lack of a security cloud platform
2.2%
2.3 Insecure transfer methods
3.2%
3.4 Unstructured information
4.3%
2.2 Fear of data and know-how us...
4.3%
4.4 Lack of data maturity manage...
5.4%

1.3 Time constraints
5.4%

4.3 Absence of tools for data pack...
6.5%

3.1 Incompatible software or IS
6.5%

1.2 Lack of internal skills
6.5%

3.3 Heterogeneous data formats
14.0%

1.1 High investment costs, ROI
12.9%

3.2 Absence of a single data stand...
12.9%

4.1 Lack of client-supplier integration
11.8%

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Version 0 - Lessons Learnt from LIEBHERR & LAUAK

Deployment of Product Conformity between tiers.

| Raw material manufacturer (B) | Raw material distributor (A) | Part manufacturer (Lauak) | Equipment manufacturer (Liebherr) | Aircraft manufacturer (Airbus) |

The value

Conformity documents sharing & auditing

1. Trusted chain of traceability documents (Certificates of Conformity & Airworthiness Release Certificates)

2. Request for visibility access (traceability construction and flown down to next level of the chain)

3. Review and validation of visibility request bottom-up resulting in multi-tiers view

Enables trusted transparency	Approach as a Service
Respects data ownership	Quick Onboarding (SaaS)
Requires common language	Potential for automation and AI support

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Principal Use Cases identified description (1/2)

Development & Industrialisation	**Technical Workflow**	**Exchange Smart Document** with structured metadata through product lifecycle **-** Display accurate document status, optimize real-time data exchange, ensure digital continuity and easy IT integration, and establish a robust exchange channel with a complete digital thread.
	MBSE Exchange	Enable efficient exchange of MBSE models across diverse tools and partners, ensure traceability and IP protection, support collaborative development with clear version control, and define a standardized data exchange format.
Supply Chain Resilience	**Demand & Capacity Management**	For specific purposes, some companies decide to **share critical stock at decoupling point of the supply chain with alert system**
	Non quality management	Share **non-conformity data** across **relevant partners**, **collect supplier actions,** and **collaborate on containment, resolution, liability, costing, and prevention** with data analysis capabilities
Traceability & Conformity	**Product Conformity**	Certificate of **ARC doc exchange** in multitier including **workflow visualization**
	Export Control	**Central classification management** including **update process with workflow** if **regulation** changes

DECADE X France Project   **AeroSpace X Project**

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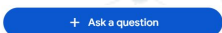# Principal Use Cases identified description (2/2)

Sustainability	Product Carbon Footprint	Provide SMEs and the aerospace industry with **standardized digital tools to calculate and monitor product carbon footprints** (Scopes 1, 2, and 3) across the supply chain. Ensure **secure traceability**, i**mprove data transparency and quality**, and **support climate impact reduction** through **harmonized procedures**.
	Circular Economy	Build a digital ecosystem enabling **standardized data frameworks**, **E2E traceability**, and **feedback loops** to **enhance decision-making** and **reuse of unused components**. Empower supply chain autonomy and ensure traceability through the use phase, aligned with aviation's roles and responsibilities.
	ESG Reporting (CSRD)	**Sustainability report data-driven**.
	Substance tracking	**Smart document** (report) with **structured metadata** (CO2 substance tracking)

DECADE X France Project

AeroSpace X Project

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"Which of those use cases have the highest priority for your business ?"

Development & Industrialisation	Supply Chain Resilience	Traceability & conformity	Sustainability
Technical Workflow	Demand & Capacity Management	Product Conformity	Product Carbon Footprint
MBSE Exchange	Quality Management	Export Control	Circular Economy
			ESG Reporting (CSRD)
			Substance tracking

What's Your Top Priorities?

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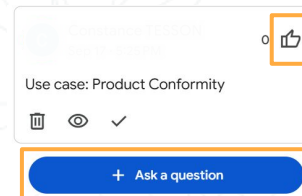you can also **add others uses cases that are more prioritaire** for you with 🎙️ and [+ Ask a question]

Polls
Get a quick pulse of the audience

Q&A
Give everyone an easy way to ask questions

Use case: Product Conformity

[+ Ask a question]

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"Which of those use cases have the highest priority for your business ?"

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Technical Workflow	Demand & Capacity Management	Product Conformity	Product Carbon Footprint
MBSE Exchange	Quality Management	Export Control	Circular Economy
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Survey Results:
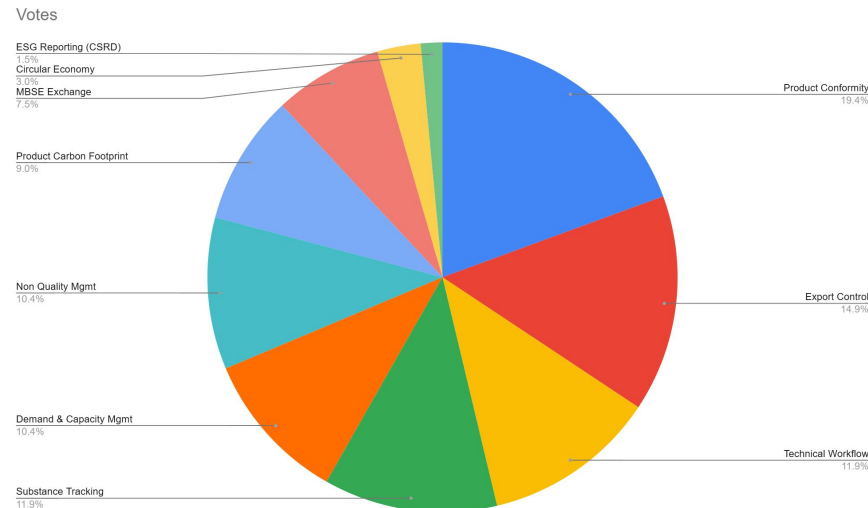
Votes

- ESG Reporting (CSRD) 1.5%
- Circular Economy 3.0%
- MBSE Exchange 7.5%
- Product Carbon Footprint 9.0%
- Non Quality Mgmt 10.4%
- Demand & Capacity Mgmt 10.4%
- Substance Tracking 11.9%
- Technical Workflow 11.9%
- Export Control 14.9%
- Product Conformity 19.4%

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Call to Action & Next Steps

We are looking for **volunteers to provide feedback** on the **solutions** (e.g. technical…) and/or **uses cases** developments

How

Participate in ad-hoc **interviews**

Why

Influence use case standards and solutions to **ensure your needs are well reflected** in the future solution.
Benefits from **being an early user** of a use case
No fees until 2028 for the first 100 suppliers.

Ready to build the future?

Share your email address >> here <<

By providing your email address, you will also receive the result of this webinar

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Thank You!