

The Ecobox Project - Creation of an ecodesign methodological platform

2023 Clean Space Industry Days

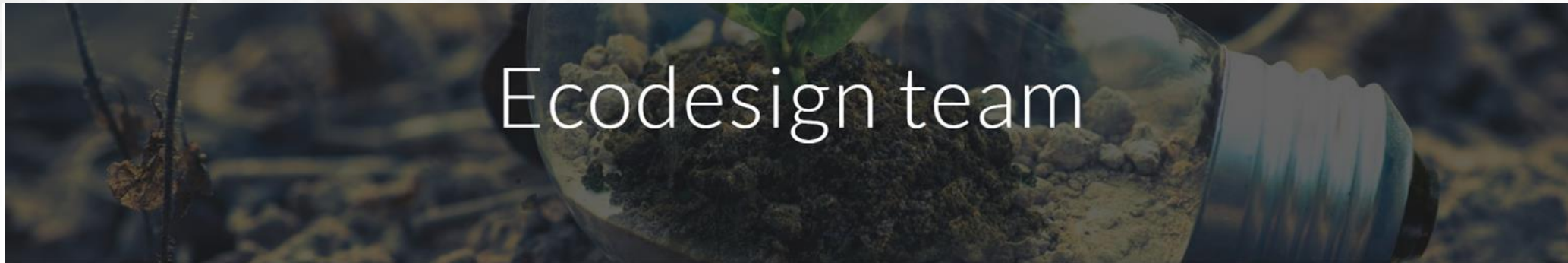
DEFENCE AND SPACE

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Agathe Ghiron (Airbus Protect), Gael Gonzalez (Airbus Protect)

18/10/23

Quick presentation – Ecodesign team role



Ecodesign team

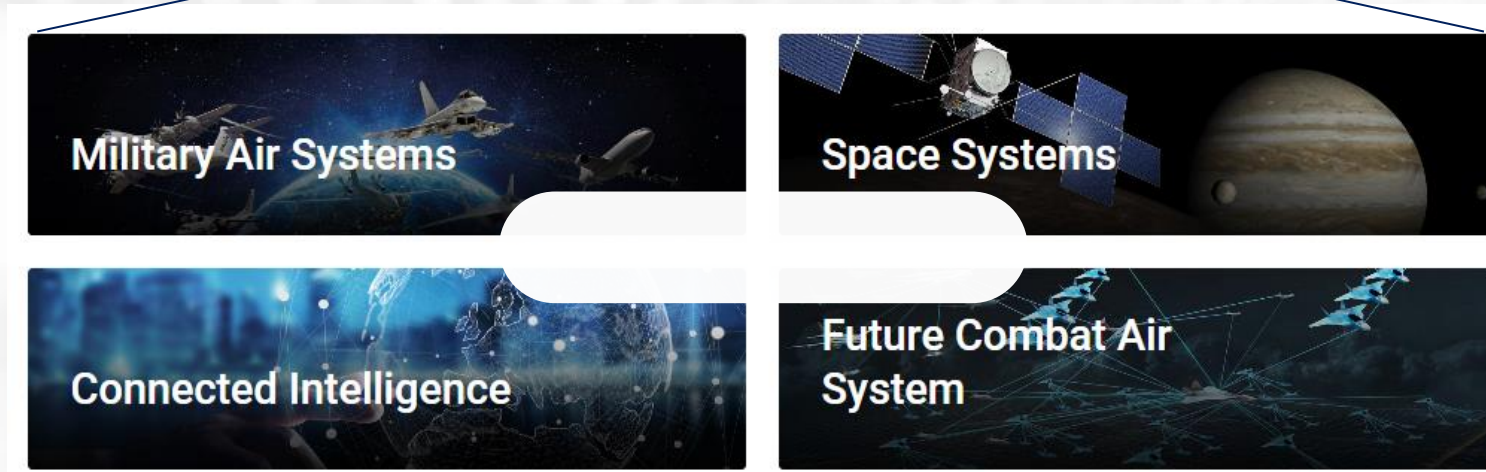
The Ecodesign team's expertise and responsibility focus on the **environmental performance** of AD products **throughout** their **whole life cycle**

Technical role

Governance role

Quick presentation – Ecodesign team action perimeter

AIRBUS

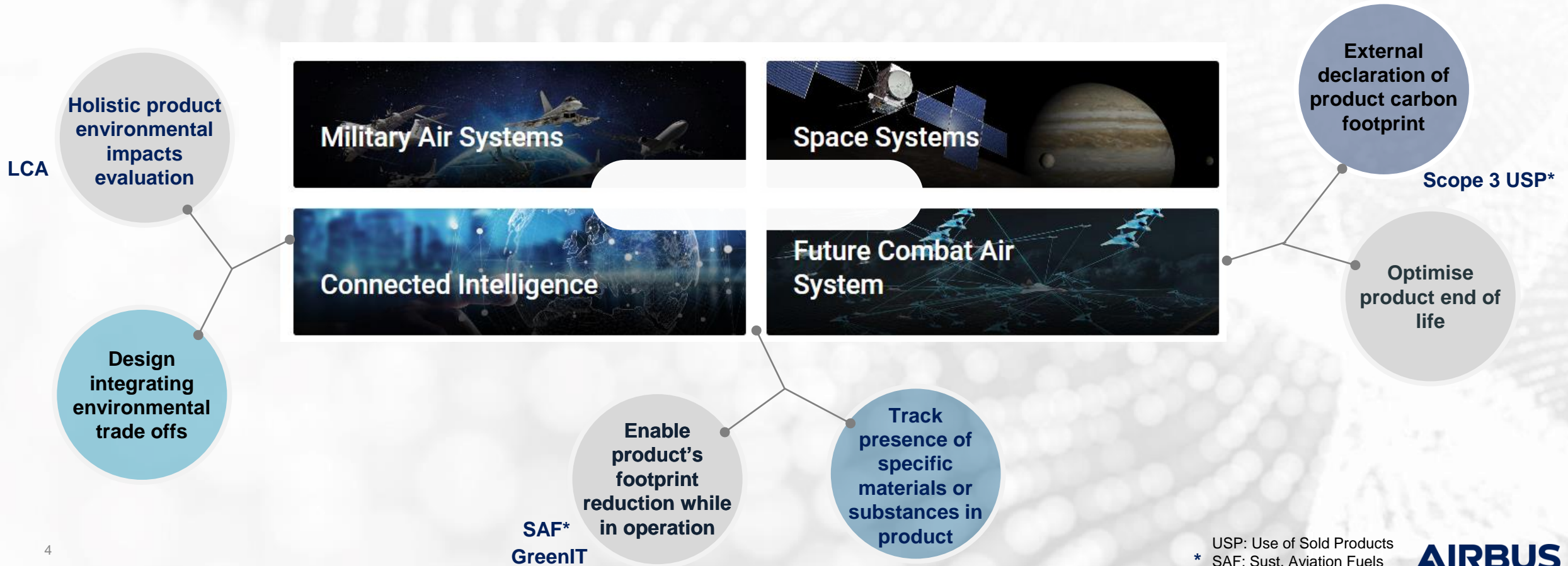


Quick presentation – Ecodesign team challenge

New & increasing needs

Diverse environmental focus

Across the whole business



The Ecobox Project - Context

New & increasing needs

Diverse environmental focus

Across the whole business

Create an ecodesign methodological platform



Allow engineering community to be aware of and leverage **ecodesign expertise**



Promote **selected tools/methodologies/datasets** to avoid non-aligned study results and increase reusability



Avoid **inefficient resources use** (h & €) invested in looking for solutions/methods/results



Benefit from the **synergies existing with AC and AH** for the selection and deployment of evaluation tools/methods

The Ecobox Project – Overview of the project

WP1 - Map business needs and expectations and existing tools & methodologies



May 2023 - Dec 2023



WP2 - Establish a catalog of recommended methodologies & tools



Jan 2024 -

WP3 - Create and deploy a digital platform



Q3 2024 -

Mapping the business needs and expectations as well as existing tools & methodologies

+25 Interviews conducted



- *Product Types (Space, Defence,...)*
- *Maturity level (R&T, R&D etc.)*
- *Project Lifecycle (various MGs)*

Activities portfolio



Role type

- *chief/system engineer*
- *technical expert*
- *portfolio manager*
- *sustainability representative*

- *Department leader*
- *Team leader*
- *Junior engineer*

Management responsibilities



4 main drivers for tackling environmental issues



Main blockers

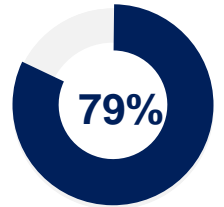
- Complexity to integrate in core-business activity
- Difficulty to find trade-off opportunities
- Difficulty to optimise various constraints

Three main needs expressed by the business



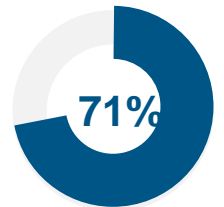
More precise strategy & objective

- High level strategy of the group will have more added value once it is **cascaded** in a precised and more tailored way



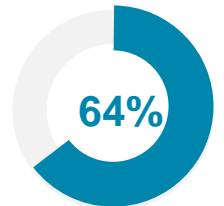
Enablers to work on core-business domains

- Access to environmental evaluations results and/or possibility to perform simplified assessments themselves
- Watch tower to anticipate follow customer requirements / regulations to come
- Guidelines on ways to improve



Awareness & skills development

- Ensuring people have then the right skills to integrate these aspects in their daily job is key



: Ecobox [As-Is]

Tools / Evaluation methods

E2Ecobuild	MLI Environmental evaluation tool	Tool “score de sustainability mission”	WEDA	SEEDs
CO2 emissions assessment tool for military aircraft in service phase	Circularity Evaluation	Mechanical Parts environmental evaluation	CoCa	Scope 3 USP
	SSR/ Early Stage sustainability indicators		EDSI	LCA
			Commit	

Gsites

Sustainability @AD
 AD Sustainability Engineering
 Innovation at AD

Processes

Sustainability check in Bid review Greenplant
 TRL Sustainability questionnaire Disposal Concept for MiAS

Databases

Airbus' common materials database "MARS"

Network

AD Sustainability network
 Sustainability ambassadors
 TEP sustainability network

Documents

Organisation manual
 Sustainability in Bids support document

Awareness and trainings

Ecodesign generic E-Learning Climate Fresk
 Good IT practice

: Ecobox [To-Be]

Review of the initial objective:



Promote **selected tools/methodologies** to avoid non-aligned study results and increase reusability

1. **Consolidate, harmonise, share & continue building on** what has already been put in place
2. **Fill the gaps** identified
3. Avoid the **traps** of:
 - becoming an annoying catalog of infos/links
 - becoming an additional tool in the current landscape creating more complexity

Looking forward to CSID2024 for the next progress update!

Thank you

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