

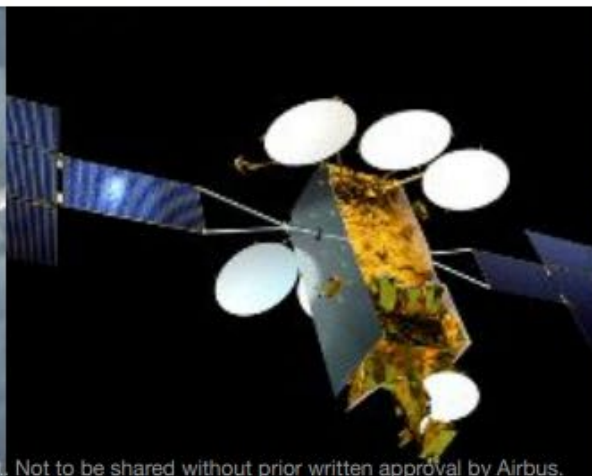


AI From regulation to implementation

AIRBUS



Romaric Redon
AIRBUS
Artificial Intelligence
Fast track Leader





EC Ethical Guidelines

Accountability

Technical robustness and safety

Oversight

Privacy and data governance

Non discrimination and fairness

Transparency

Societal and environmental
well being



EASA Trustworthy AI building blocks

AI
Trustworthiness
Analysis

AI Assurance

Human Factors for AI

AI Safety Risk Mitigation

AIRBUS AI Common challenges

Airbus Amber

Competencies

The right skills and team

Man-Machine teaming

Acceptable AI
Win-win
AI + Human

Trustworthy, safe and secured AI

Explainability,
Robustness, fail safe
architectures

Embedded AI

Low computing power,
stringent energy,
radiation, real-time cst.

Frugal AI

Less data, less
computing

Scaling AI

AI productization
MLOps

Ethical AI

Avoid discrimination
Responsible usage

AI standards and regulation

AI compliance

Distributed AI

Federated Machine
Learning
Privacy preserving AI

Adaptable AI

Towards General
Intelligence

Data

Data Foundations

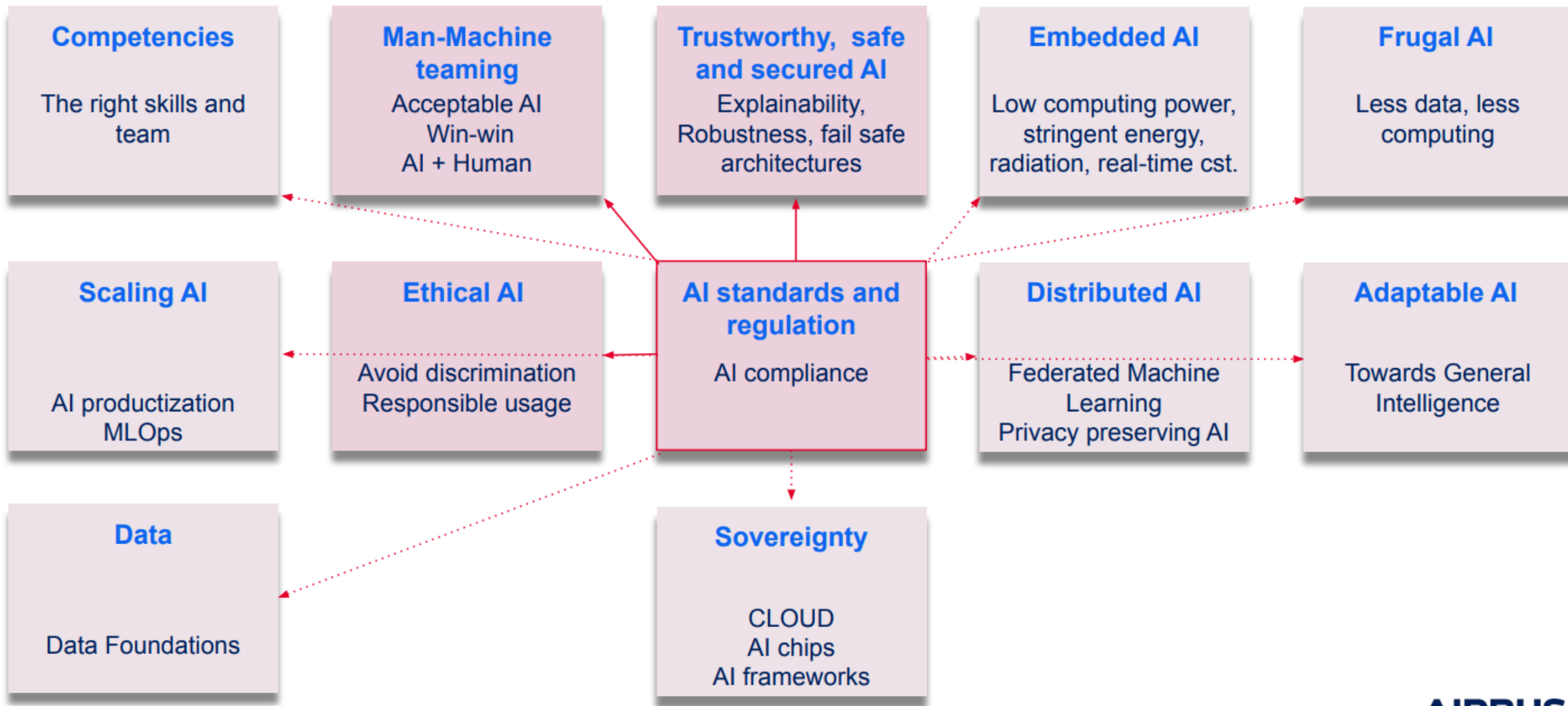
Sovereignty

CLOUD
AI chips
AI frameworks

AIRBUS

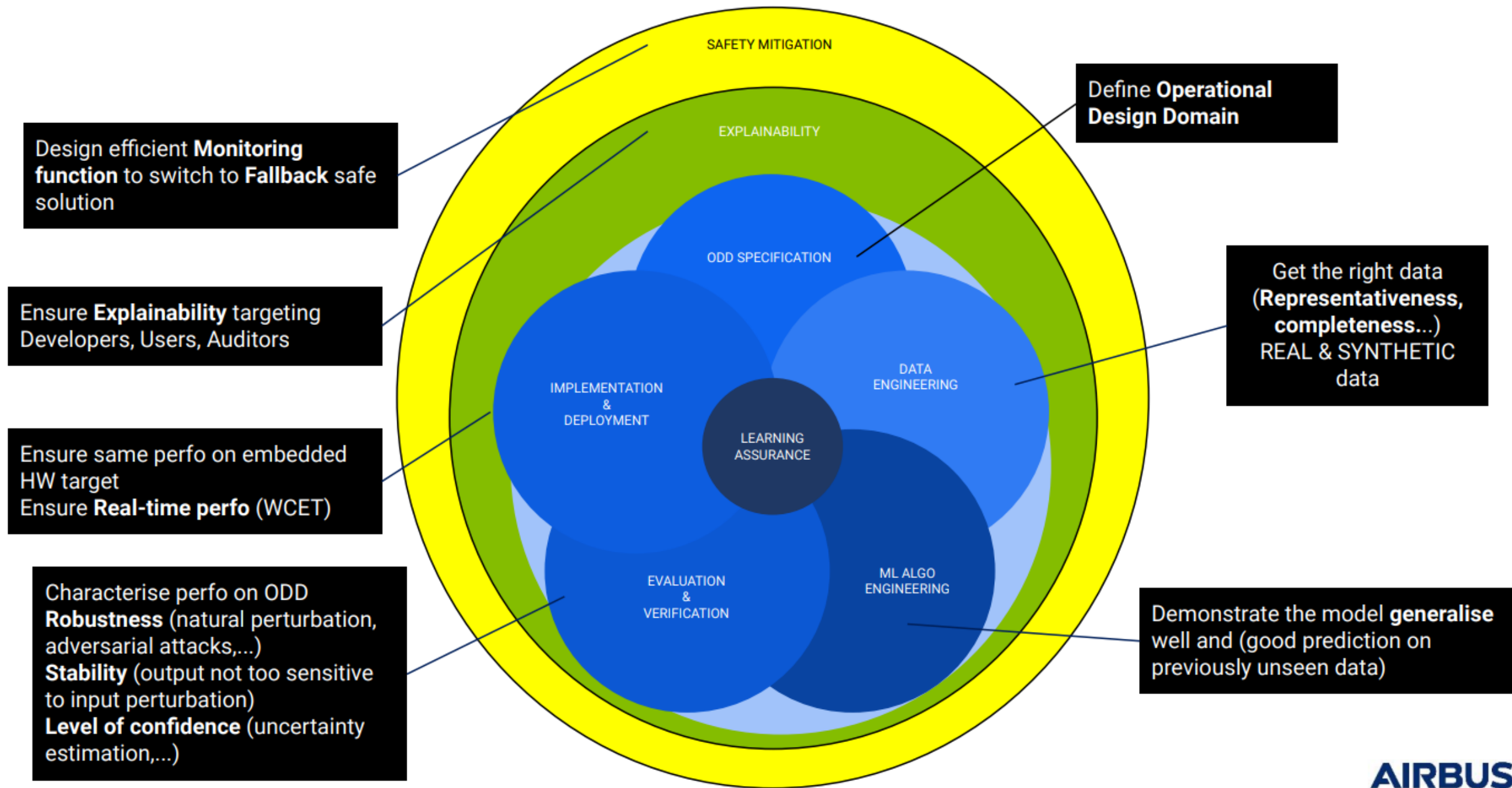
AI Common challenges (Highlight on AI certification)

Airbus Amber

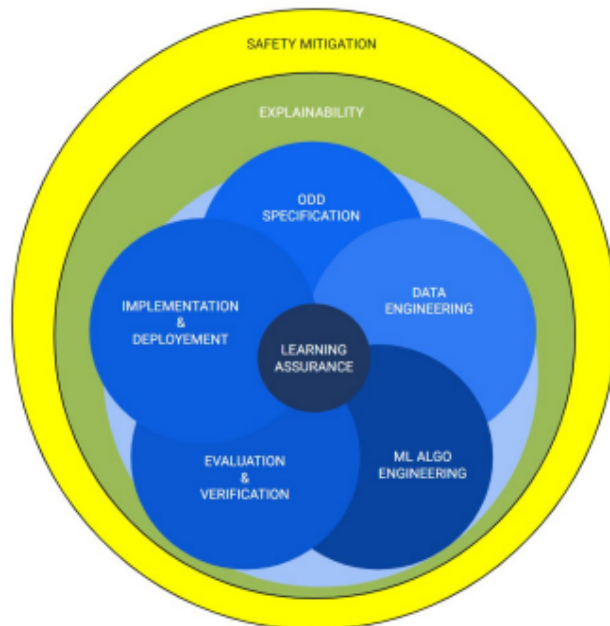


AIRBUS

Challenges for certification of Embedded ML (in a Nutshell)



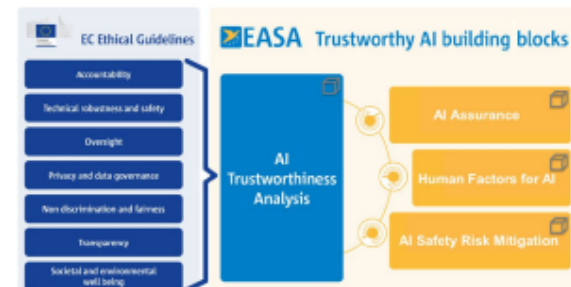
CONCLUSION



ARP6983

ED-xxx

Certification
Approval
of Aeronautical
Safety-Related Products
Implementing AI



MLEAP

Trusted AI methods and tools

Safe and efficient introduction of AI in critical Systems

Standards

Requirement Ensuring Safe and Efficient operations

Academics + Tech companies

Industrials

Regulation authorities





Scale AI to boost
competitiveness

AIRBUS

World leader in
Safe and
Trustworthy AI

