EASA
European Union Aviation Safety Agency

EASA AI Concept Paper

AI trustworthiness guidelines

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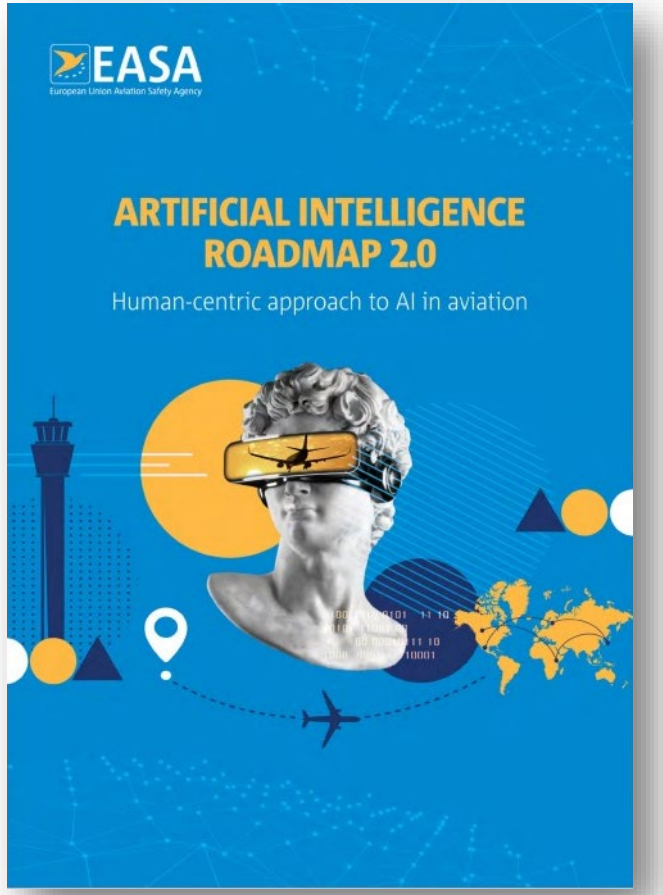
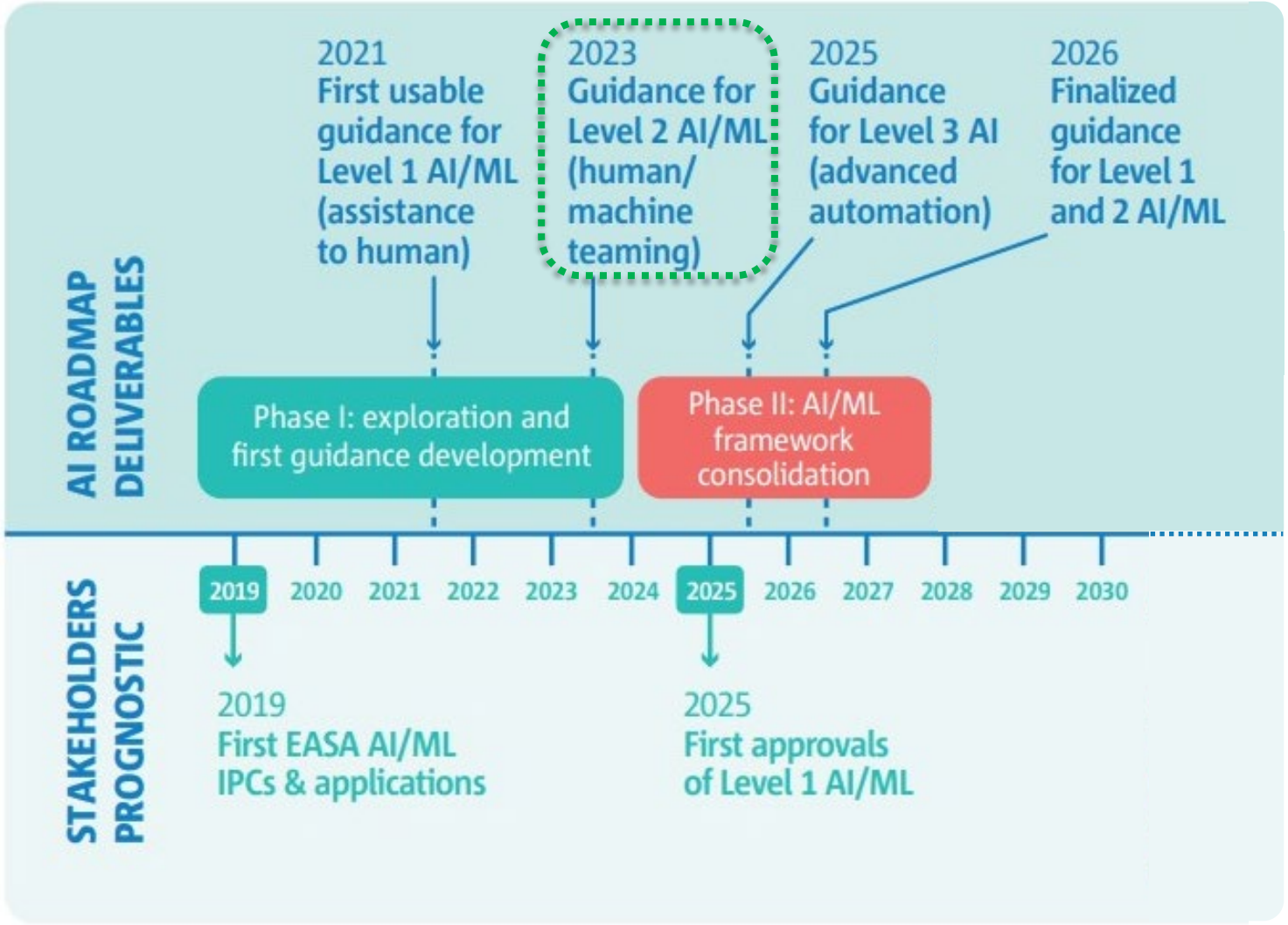
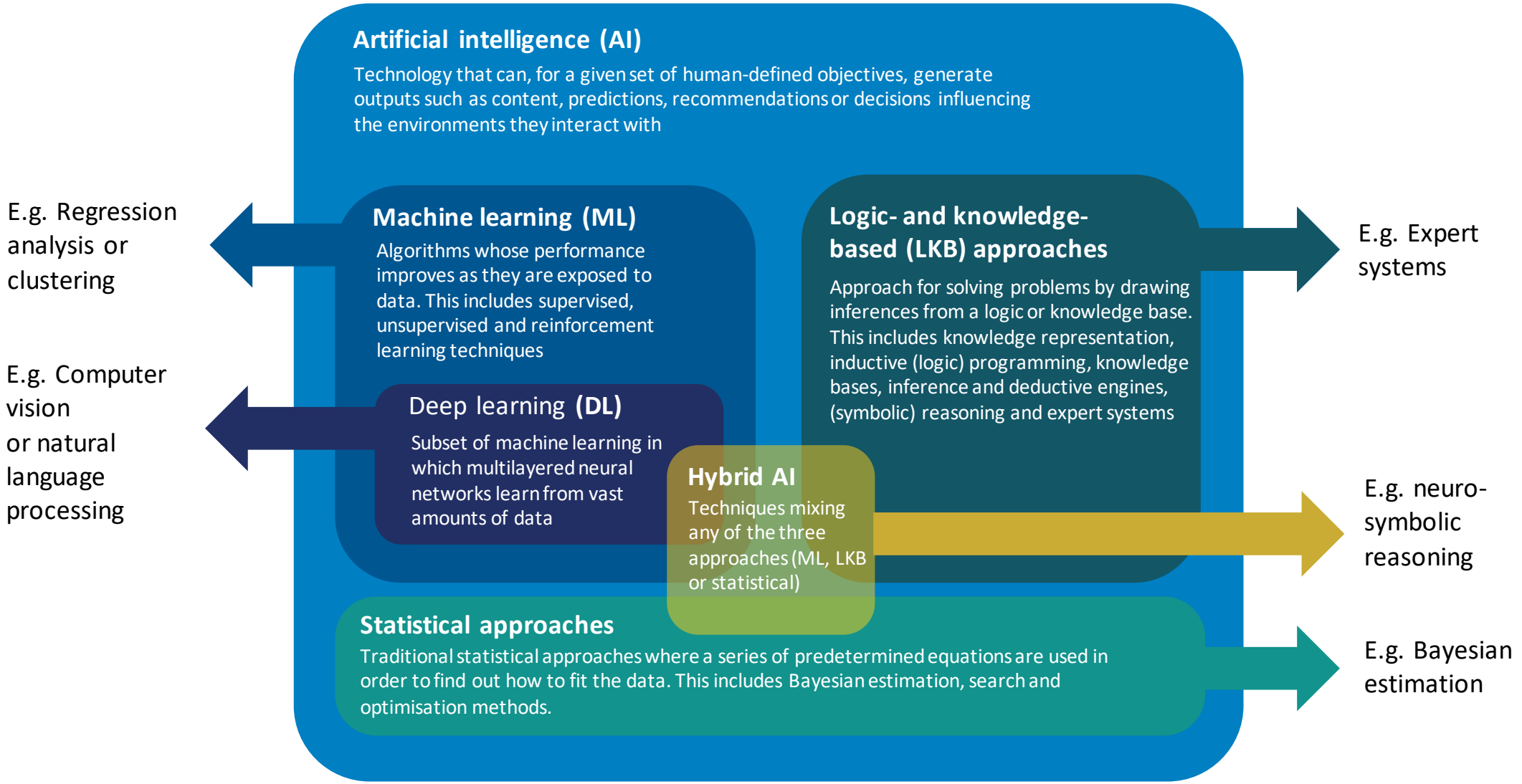
EASA AI Roadmap 2.0: entering consolidation phase



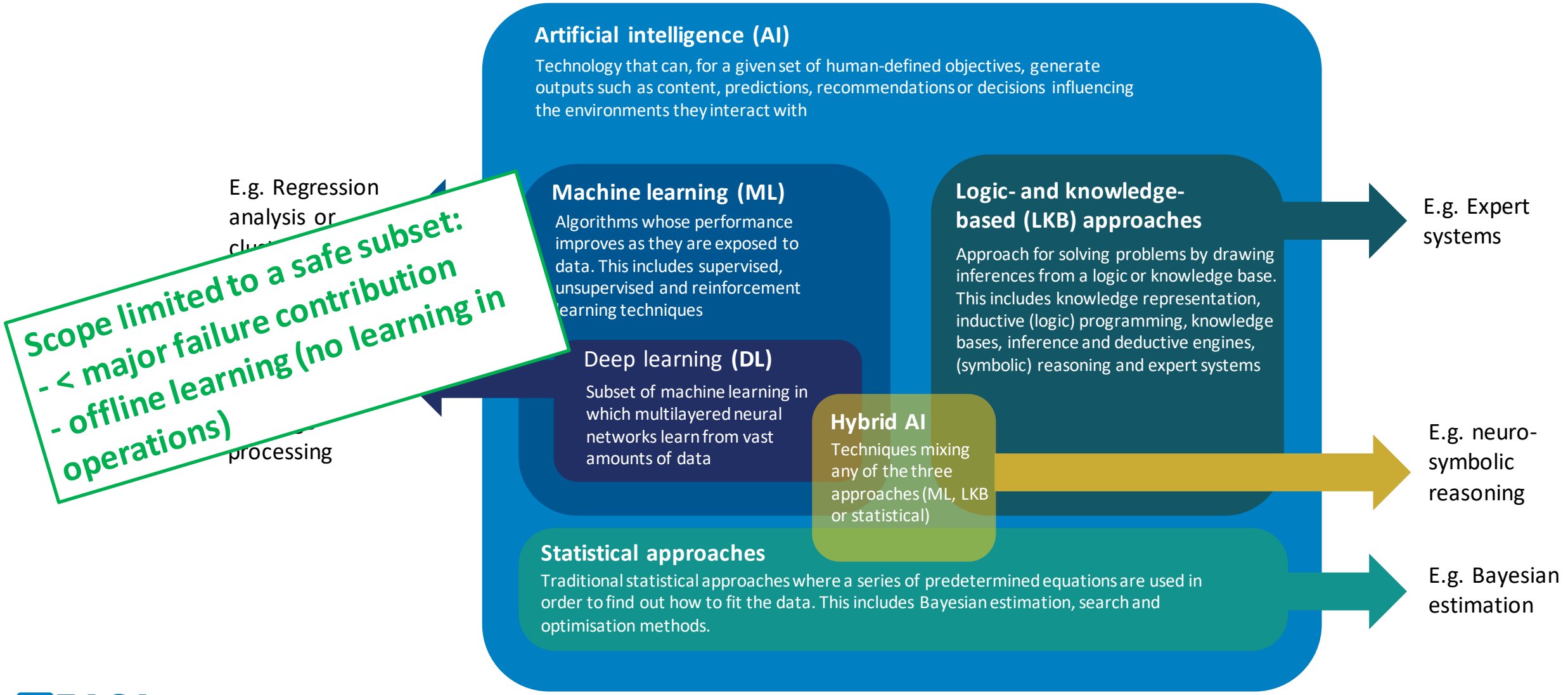


AI = Artificial Intelligence ML = machine learning IPC = Innovation Partnership Contract

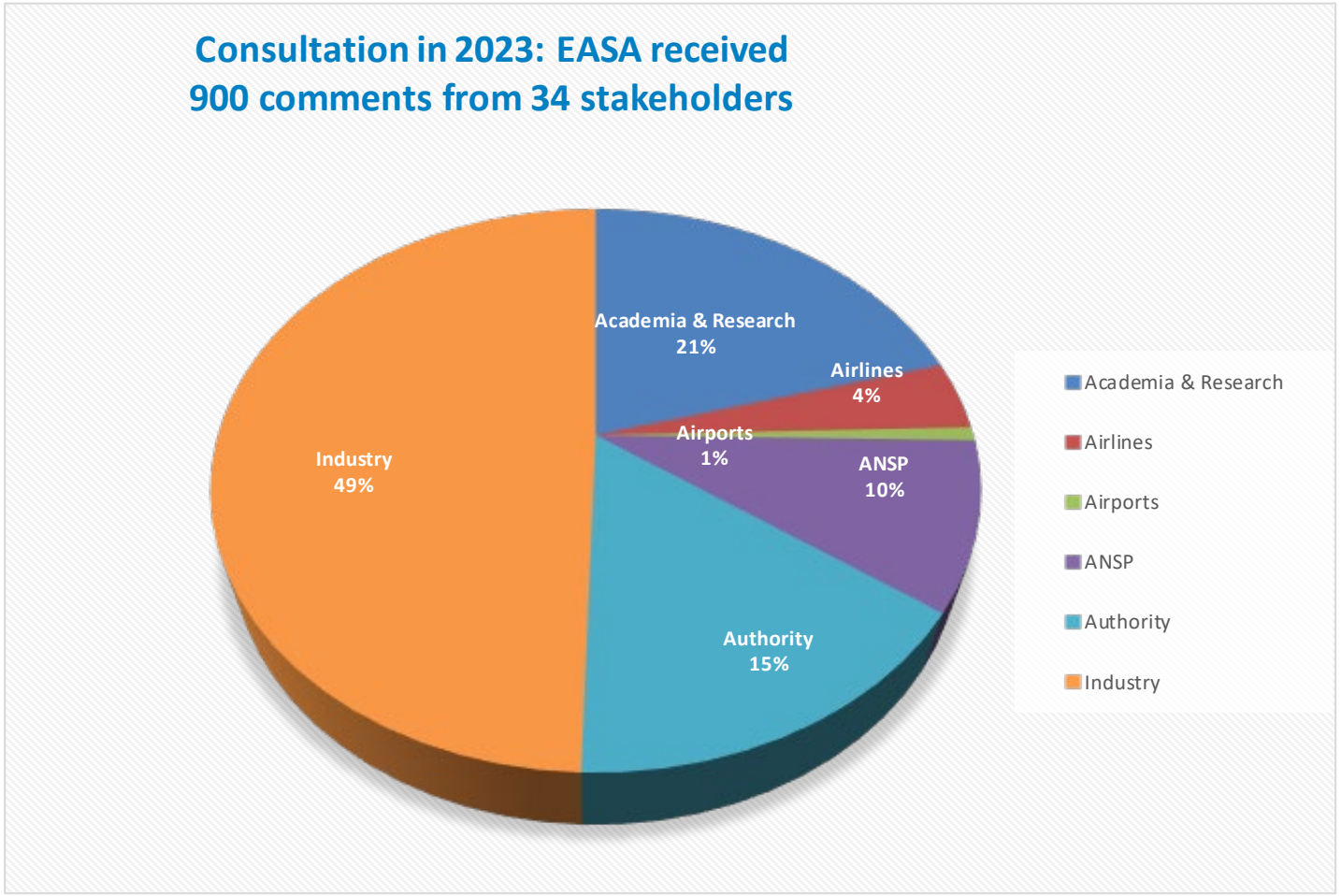
Scope of technology covered by Roadmap 2.0



Scope of technology covered by Roadmap 2.0



EASA AI Concept Paper – Publication of Issue 02



EASA AI trustworthiness building-blocks

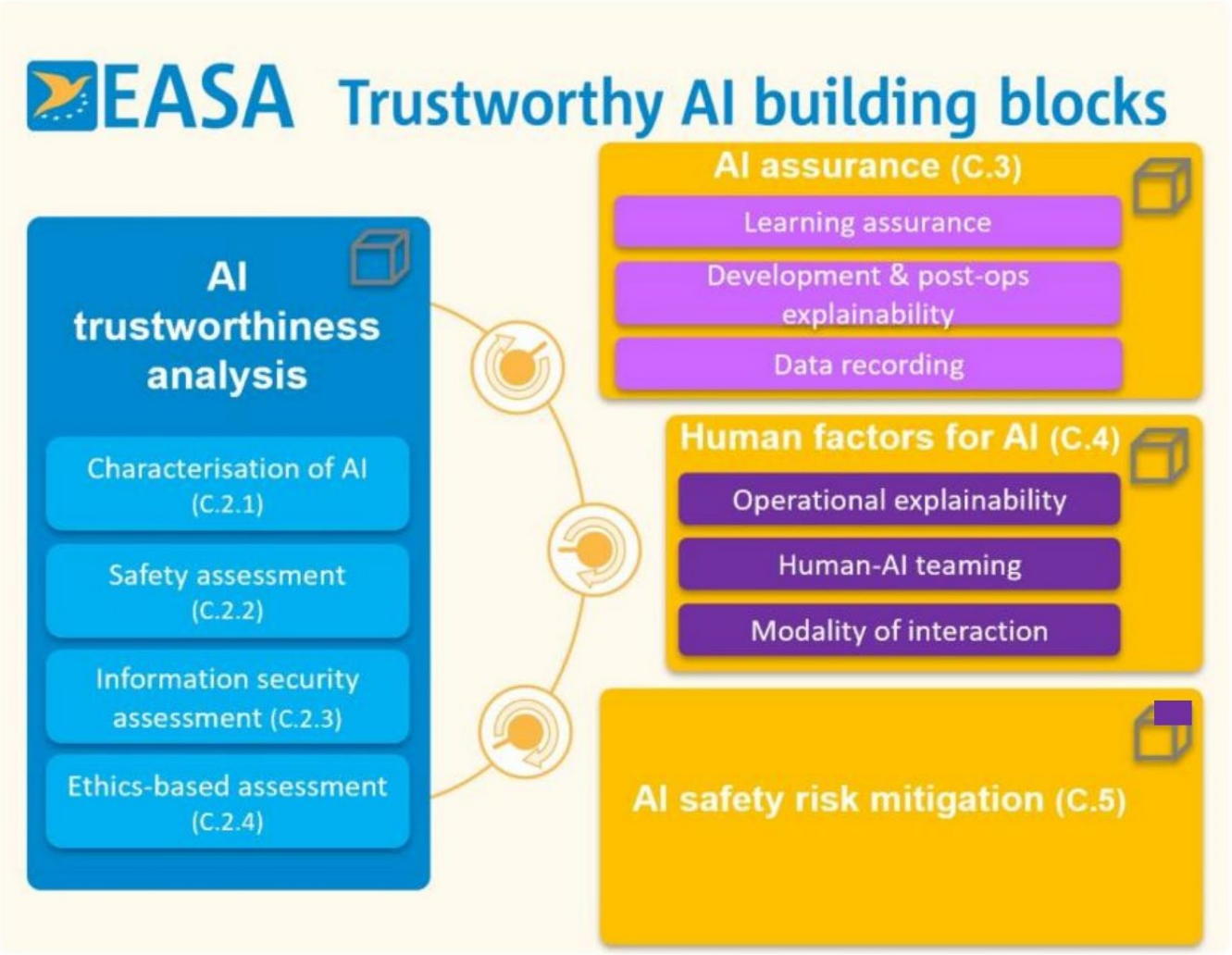


Figure 3 — EASA AI trustworthiness building blocks

Main AI trustworthiness concepts

Scope of EASA AI Concept Paper Issue 03

Unsupervised automation safety risk mitigation (3B)

Human-AI supervision (3A)

Scope extension to RL, symbolic, statistical and hybrid-AI

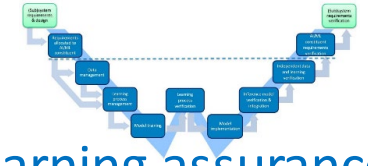
Human-AI teaming

Collaboration(2B)
Cooperation (2A)

Ethics-based assessment

Continuous safety and security risk assessment

AI explainability



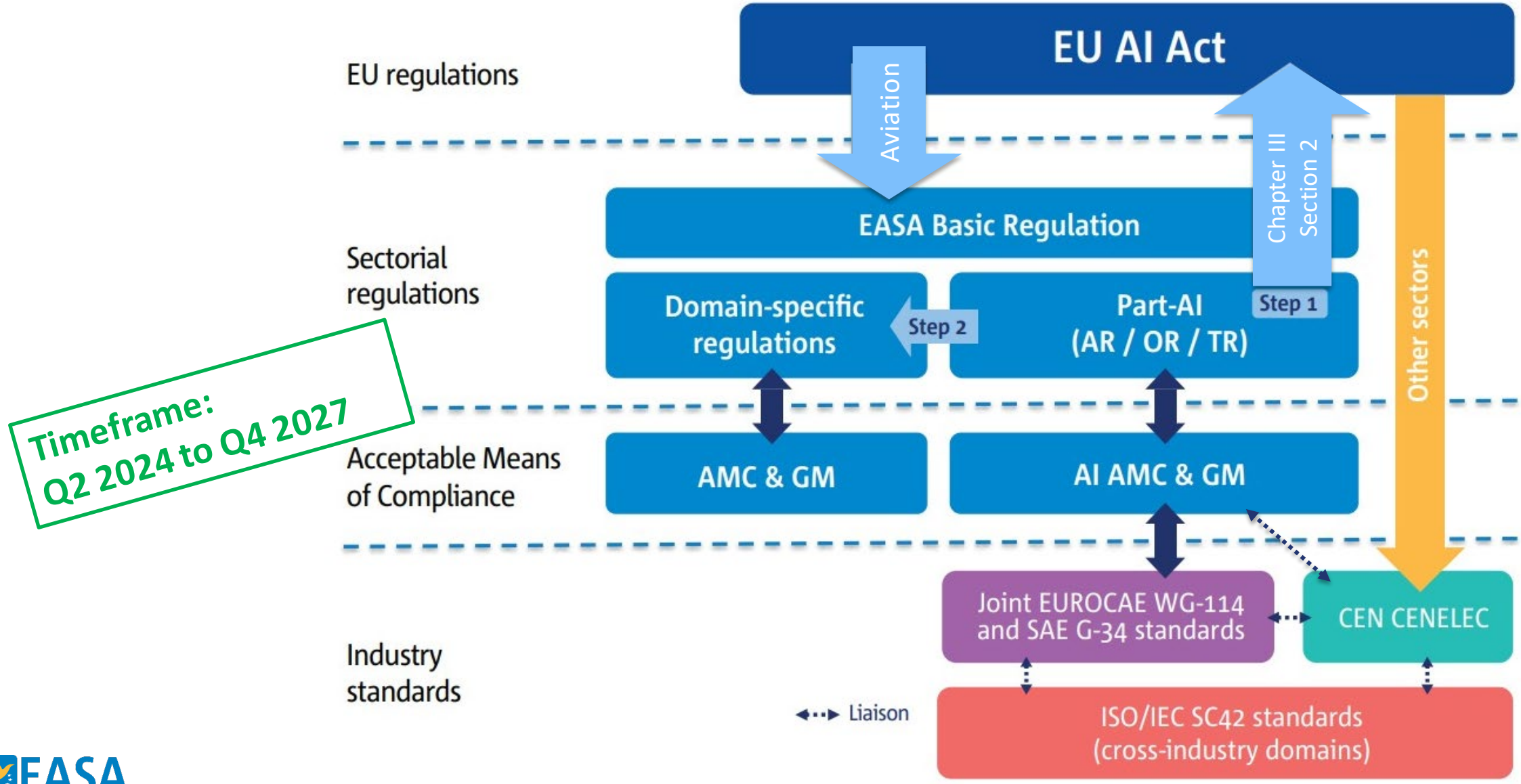
Learning assurance

Level 1 AI Cognitive Human assistance

Level 2 AI Human-AI teaming

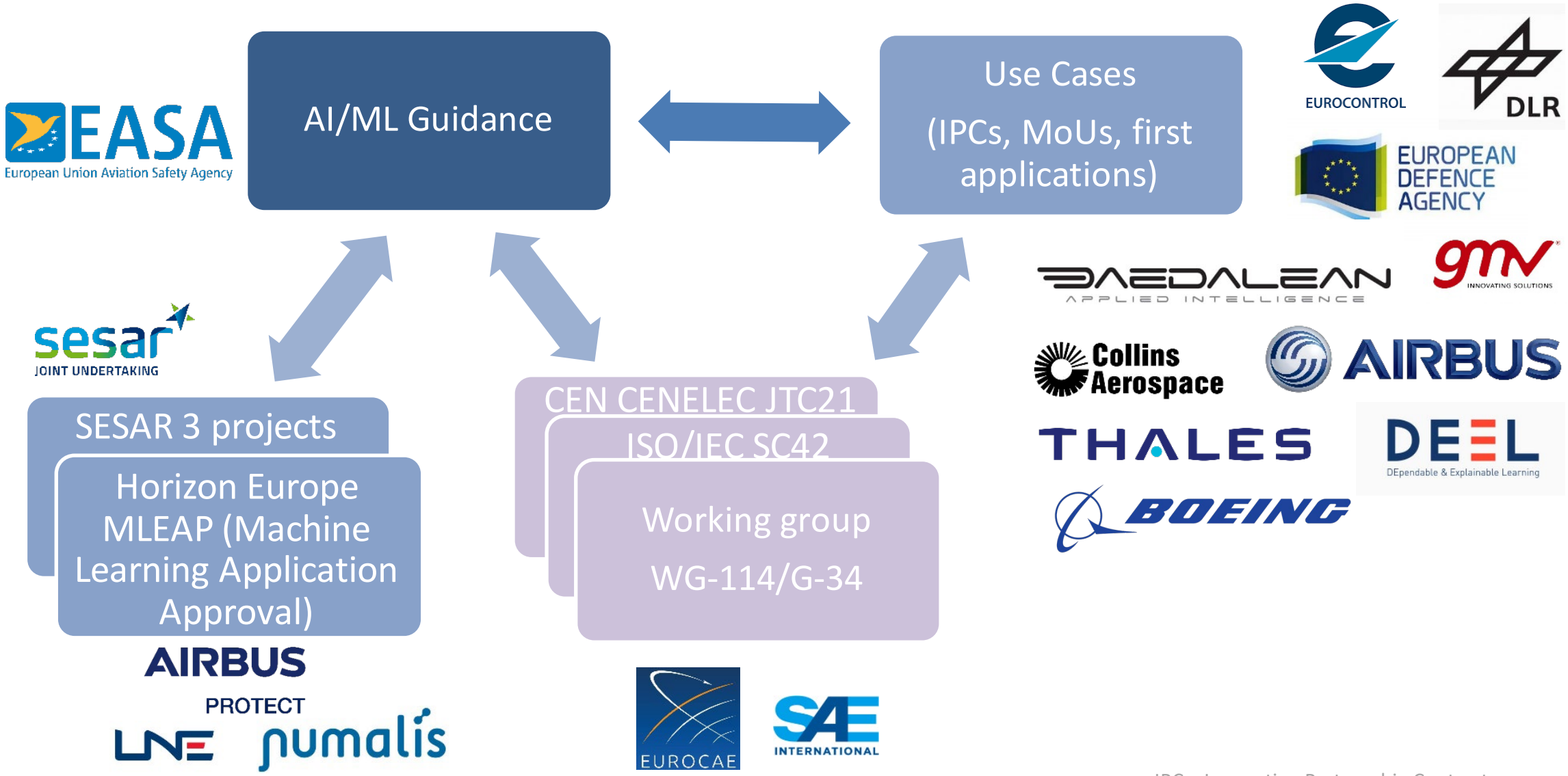
Level 3 AI Advanced automation

EASA Rulemaking plan for AI - EPAS RMT.0742



Timeframe:
Q2 2024 to Q4 2027

Collaborative approach with all Stakeholders



IPC = Innovation Partnership Contract
MoU = Memorandum of Understanding

EASA AI Days High Level Conference 2024

- Onsite social event on 1st July evening
- Day 1 (2nd July) : EASA AI Roadmap day
- Day 2 (3rd July) : final dissemination event for Horizon Europe MLEAP* project
- Please register for on site or online participation under [EASA Artificial Intelligence Days — High-Level Conference 2024 - Hybrid event (partially online and partially on-site) | EASA (europa.eu)]

* 'Machine Learning Applications Approval'

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Thank you for your attention!

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